

<110> Byrum, Joseph R.  
Heck, Gregory R.  
La Rosa, Thomas J.

<120> Nucleic Acid Molecules And Other Molecules Associated With  
Plants

<130> 38-21(15761)B

<160> 48629

<210> 1

<211> 137

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700764507H1

<400> 1

ntgngcacgc gtacgtnagc tcggaattcg gctcgagnta aaaattagnt aatttatntc 60  
gatngtatta gacngagacc ngncaaant gaangtgagn ananannnaa acngntanng 120  
cngcncntcg nnannnc 137

<210> 2

<211> 137

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700764512H1

<400> 2

acagtnggcg tangcgtnen cnagnctnng attcggctcg anccnagagc gggncctgg 60  
ancataccnt aancngcten aaatnntagn nacancagca ntnnnaacnc atanngcnnn 120  
cgcnacnana acagacc 137

<210> 3

<211> 136

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700764545H1

<400> 3

caatctcaca cacncnnacg tnagctacnn aattcnnctc aaannagnga cacaacantn 60  
 ggcancantn accnacacnt ngcnmntgct nccgagaant gcgnagctan agatgtacaa 120  
 catngcaana nnacgc 136

<210> 4  
 <211> 143  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700764575H1  
 <400> 4

cngtctanac gacagacgna nntnagencn tgaatgtctg anntacaggn agaanagaag 60  
 cgatgcgtan ccncnggnat taagacggnt gancgntcta annagnngt ggtcagnagt 120  
 gcctagggna aatangctnc tnc 143

<210> 5  
 <211> 313  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700902948H1  
 <400> 5

ngtntattaa tctcaagaan tnnattcgnn ntgtgnnnaa cacaactatg annnaantnn 60  
 annnacannn nnnnnnnccg tnanaanntt nacgnttnat nntgtatcnn atngcanatt 120  
 accnnttttn ncgtanntnn nnnntcncnn athatcttnc tatnagggtc ttgagagtgg 180  
 ncanttttnn gtcancntga ntnggttgac ttcacaaanc anggnnaang acgncnang 240  
 nnetgataca tnatannnnn nnggtatgnc ngtgantatn cnnntnggnc ngttnnnctg 300  
 naattggngt gtc 313

<210> 6  
 <211> 292  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<223> Clone ID: 700903055H1

<400> 6

ttnnngcgtn ncangcacnc ttacntantc tcgnaattc ggatcgagaa nctcctacgc 60  
atcncaaaag nctnaccggg tgnacacnntt catncgntcc aangctttcg cgagnagana 120  
ncgcgcngct nnctcnngcc ancatgatnc gctcgnagan tcaancggng cnannagtna 180  
gcgttntggn ngtnnagnn cgtgtcntag ncagcacact ggcnngnngc gncgtgnann 240  
nccggtccnn canagnganc cntttcaacn nngnantngt atcnnccaag nt 292

<210> 7

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903063H1

<400> 7

ncgnnnngana aanatnanaa tgnnnagaga gaagaacgna taanggcgag agaganagtg 60  
tccgctgcnc acgaatcgtg nacagtattc tnaaggnaa gacncangca gaacatagtt 120  
gngngacagg nncntnaaga atggagnatn agtngnngtn ngannnnncag aagnntagca 180  
ncaaagcnga agagtnancn nantnagggc aaggangann ntgntaanag agcgtntnngn 240  
atngtagtag anancncgtn ggagcngtcn ggnatannag tntagnaagn ngngtnana 300  
nnngaagnga ncnaggnag gangggngaa agnnagncc 339

<210> 8

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903075H1

<400> 8

aacgcgnanc ganagangag gnagcgacca nanagnntag cgnatgnann annnnagggc 60  
gcatgcngag ntacannnga cacggtagca gggtngtgaa acangngnga nactgccagc 120  
tangctntgn angcngagn cgntncgan canncgatc ntganaagag ngncnggnnn 180

tgcggnggca cncggncnna gtctnnagtn cgagagannc ccggnnnnga gatnccgggg 240  
 agnatcgaga ncnagagnnn natnaancag gagagaaggc atnnccagcn ccagcngagc 300  
 tangcngnnc gnnccaggng nagagnagan ngtggggggc gc 342

<210> 9  
 <211> 332  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903081H1  
 <400> 9

nnatcgana caccggtacg tangctcgga antcngntcg nggtgagaag nnataagccn 60  
 tgnanngaag naccgagng atngntncat agccgntgtg nnnncncnnn cgtnttnaan 120  
 ntcnngntct ntncacnnn tntcnnaaac acaaannnct ncttnggncc ncannacatn 180  
 antatnggc antgttnnnn ggnntncang anatnaanga nnnanncagn nngagacnnn 240  
 cgaatgaacn ggtntagga nagggtggat gcgancnang atgnnanggt tngnnnccga 300  
 nnanananan cannagcnca gnggatngaa at 332

<210> 10  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903090H1  
 <400> 10

ancncanngc agnaaccntc cancantcat nnatncngaa nngtgcncag cctaagtnat 60  
 gagtgcctcc cagcagnaca aacncggact acatagagan aganacctaa cagnnagagn 120  
 acgcgcatna atnacagnan nnngttacac ngantacagc ggcgacaaag ttagcaaanc 180  
 gatananngn gnagnatan atccacangt acagancnat gntagcgtn tcnntnanag 240  
 nagananncg agaanacaac aggagtgatn nactnnnaga gtncgcgnna nncatagng 300  
 tcnnnnagag nacngcanag ntngannntn gtnnnaactn ngcannnggn nnacggnnnn 360  
 nantngnnag ggcccnanct gtcantgna gaannnnnnc ganacagcna cnnnggnaag 420



gannngnnnn aagnncgaca tccannnngg aggatc

456

<210> 11  
<211> 311  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903129H1  
  
<400> 11

aatnatatnn angcntangt aagctcngaa ttcngctcga gtgaaatatt accagttttg 60  
tgcaaaaaaa aaaaaaaaaa ngnnngnccnc aaattattaa nctcttaaac cngnaantna 120  
nttcnnaacg nnnacttnaa ggntnaaaat ttttccntan attaattntt atnaaanttt 180  
ggagnaataa tggnaanann tttttcntnt ntaaaatttt natccgttaa aanttcaaaa 240  
aaaaaaaaat nnntaaaaaa aaaaanann nnnnannnna nnnnnnnnna nnnnnnnnnn 300  
nnnnnnnnnn t 311

<210> 12  
<211> 288  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903133H1  
  
<400> 12

aancnaaac ananaacaca aaacnaaaca cagancaann cagaanncng aacgcnaaan 60  
tattanaaat ccncacaaca nncaaantnat ccacacttaa acaaaaccan aacananaan 120  
ancnancana annnnannac anaaanngan nctcnnaana annnnaacac aagcaaaanc 180  
ngacnaaana acaaaaaaan cnacaananc ccaacacaan naaaangana nnaacatann 240  
aaaaacncat gnaagcnach acannnaciaa cangnnncna aaacaann 288

<210> 13  
<211> 407  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903136H1

<400> 13

agcaaccagn aagtaagna cnancaagtgtacngaaca cangagannc agccacangn 60  
acgcaannnc cancanacgn tncacggann gcgngngcag ancaagatan aannnggtng 120  
gntngaaggn caanancaga agaggaaana ggcacancac gacgaacaaa nangncacan 180  
agaggaacan ngncgagaac gcagaagcac acnnagcaca agaaacanac naccaagnac 240  
gagnanancn agcagagaag cagnacanac caccgancnn angangagan acnangaaga 300  
gccaacnagn cagncanagc gagaacgacg canagancag agcanacgaa gcacngagnn 360  
ggancanaga nggnacgaca tcanaangac agagnanaca anananc 407

<210> 14

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903137H1

<400> 14

nnnnnnnnnn aanccaanaa aaannaaacc anaaaaaann cctaccancc annnnnnnnn 60  
nnncnncann aaacnccann nnacacncnn cnnnnanaan acnnncncc annntcacna 120  
cacnnnnncn anancacacn acntcnnnnn nnanccnncn ccanancncc ncnncccaac 180  
aaacnaaaca ancacacnac acnacnaca cnacacnaan cnnnnancnc annnnnnncan 240  
ncncnnnacn ancacacncc cccacnnnna nncacncca nccacnccac acnannnncc 300  
acaaccacaa ccanaaccca acacncaccn acannnaca cccnancana acnnaacaan 360  
cacannacca cnnnc 374

<210> 15

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903138H1

<400> 15

aagttanaga ngngaaagaa aantanaana atnaagatag annaagaaan anagntnnna 60

tatnnaaang agntagaang ntannanatg nagatatgaa tagangaaaa nnanacaana 120  
 aanataaana ananttaann gaannaaata nntaagtnaa aaatganana agaanaannc 180  
 aaancanann tannnnnaant nnnaaaagga ganaacanaa gtgnnnnaana naaaananaa 240  
 taaaaaanaa aaaaaaagan aagagnnnaa aatagaaaaa ananagngaa agaatanana 300  
 aaaaaananaa tanan 315

<210> 16  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903139H1

<400> 16

ncggtactat gncatttnat gntnngaana annannannn annngtantt tngncgcgng 60  
 nncnngtnnt cnaagnanan ncnnngangtn tgnngnnnng tanannttnn gtttacacng 120  
 nnnananann gnttgnagca nctagttnnn tngngtnnnt naanngnant agnnatanat 180  
 ntatnacngg ctnanttttn nnagnacnat cngnatnnng nacannngnn ngttttgngg 240  
 nngnaaatgt ntnttgacnc nalcaggttt ntnggtntt ncgnnnnngaa gggnnnnntt 300  
 tggngnnngn cnnnngtctn ntnnng 326

<210> 17  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903140H1

<400> 17

cgagnangaa agananncn atncgnagcn gcnnccacng cggnannanc tcacgganaa 60  
 cantanngn ncacaacng agacananc cngncgnaca cangacncac angacancn 120  
 ngngcangn ncgcannng agnngnncag cacaganaca gatnananca nnnngnncann 180  
 acggcnaagg anaaaganan gnnccagcagt nganagcnaa ancannagnn anacnacng 240  
 nagnggaan nacngacaca caagganaga nnnagancac agananncn aagnnacgag 300

ancacantna nagancangg c

321

<210> 18  
<211> 273  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903143H1  
  
<400> 18

annccaaann ananncnaaa canccaaaca aanaanacca ccaanccnga ncnanaacna 60  
caancagaac acncnnacca agcacacaaa aaacaancna nccacagncg acnaancanc 120  
ngcaccnccn aaacaaccaa aacacnngaa nacnacacac gannnccaag anaangaaac 180  
ccaccacacn acaacacaan accacancaḡ nngngcaaan cnanaacacn aaganangnn 240  
aacganaaca ngcancaana ncannnnnac acn 273

<210> 19  
<211> 387  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903144H1  
  
<400> 19

ttttctctc nanannnagc nccccatcag acactatcna nnagcnanaa ctacanctnc 60  
nacngacaan acatctccta catcancaac cncnctannt ncngcacagc aagnnnaaca 120  
naannnnenc cncagtatnn gngnnantta nacancntc ngancnagac nagcnatnna 180  
nncactnaca gcacanaccc aanncacana nagecntggn annnacnaca ncnactcnnn 240  
gngcancacg nncnnncaca annngnnngn acaancccaa cncnacnna annngncacc 300  
ncgtnncnaa natnaaacgt ccgctnnagn annnananac ancanactcc tnnnaacnan 360  
cnancattnn nacnancaaa agaacct 387

<210> 20  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903146H1

<400> 20

anctanannc cccanactnn cnaannacag acaccagaat acacancaca tatacacnca 60  
 tacanaaaca acacacacaa acacacçann ancatccana anantaacac anaancaacc 120  
 acananaaaa aanccacaca nacanntnca naccnacnan nanaataann aaaacnanan 180  
 nacacacnna anancnncaa cnaataacnn gnntnaacca cnagaancac cananaanag 240  
 acaatcacnc anacaaanna cnnnnnnanan ncacncgnca caaan 285

<210> 21  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903147H1

<400> 21

aaaaaaaaag nccnncaaaa cttaaacgna nnnncncccc nnannnaaaa cngaaccang 60  
 ganngnacn nnnccnggaa naacnaacnt cacngnngnn cacanattcc acgacgggcn 120  
 taacccccac cgacagcggg ctcacgancg ncagacgcag cacanncaca cnnannacna 180  
 gtinnacann acacctcna cacncactca agcacagngc naaganaant agatnnagct 240  
 acaaacacnc anactcaatg ctannnttca agacgacca agagcaagtn aaccgantnn 300  
 cncnannaan ntngcgcnc cnacanacng gnnnnnaaga gcctnagtcn agccnacaca 360  
 ncnagaccaa acnanacgcg nnnccnatac cnanacnacn naangannca gacgacanga 420  
 cangncnaca cngc 434

<210> 22  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903148H1

<400> 22

ngnanātaga nnancncctt caacntcccc ctgnccagct gnaangccnn nntgaganac 60  
 nnnanctnaa ggngtgngtg aangaaatnt acangngnan ncgtaacagc ctccacaacn 120  
 ccnncganac ananncacag ncganctenn cnatnncagg tnnannnccn gacngtacac 180  
 gngctcangt ccacantnta nantgtgaga cnagccangc caangaagcg cgatncanng 240  
 cagnnnanaa naggancann nagtgnanac agagnacgn cngcagntcg cgacngnant 300  
 catntcncat gtntgtenga tanangcten ananggcnaa cggcangcnn aggnnnanncn 360  
 nnaacnatgg ntagnnncnc gaacaacnaa gtgacanttn agtagantgc nngnnngnngn 420  
 cggcatgtga gacntgangn cnanannacn ntngnggang ngaatcngag nnanagngna 480  
 ct 482

<210> 23  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903151H1  
 <400> 23

naccggaatc annncncnc cannncnggg ccancaanaa acngcnggaa accaccatcc 60  
 ncgcagaaac ancannccnn aggactacac gacaccnacc gcacaccnga nccncacanc 120  
 anaacgncac angcccncgc acncagccgn cnannncngn gnngacagca ttcaaccxaa 180  
 ngacaangca ggnccangnc aacncaacga cagggacaac aacaannacn agnngacncc 240  
 accgagacnc nnannngngc cncnnnanag annacnnan aagacncaga ngananccaa 300  
 cnancaggaa ncacnggagc ncaaagccan cngcanannn aaancanann aagnngaagc 360

<210> 24  
 <211> 335  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903152H1  
 <400> 24

anagtatann gannacgtan gnanancncg naattcanat cgcaggnagn ncantctnta 60

tgggatangg nnanagagtn anagcaccaa tnggnaatag gatanaannn ctagnngnag 120  
 nncggnatct agncagaggc nnacaannnn tannnacgat acttnaatgn aacnncaanc 180  
 agncagtagn aggaaanaaaa nntntggcnc ganganaana gaaagtanna gnnccaangt 240  
 atgggganna nnncaancc ngannaagca aganaacnaa ccntncaaga ntatngacag 300  
 nagannaang nnatgtngang tnatcgntac cagnc 335

<210> 25  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903153H1

<400> 25

aaaaaacnat cagccgnga gggancannn cagacagana ganaccacga acatanacac 60  
 acangcagan anagntcacg ncnnncanac caccnngnn ncngacgnat gcnganaaca 120  
 nnnntgtgnc gannacanag acnnccgngn gcnantancn cacncaacnn agccaacaan 180  
 canccentca cgacaannga tcnnngcnac nnnnaccgaa gcncagcngn gaannngan 240  
 nagancantn nagcaacann agannngng aangcantca ncacngnaca anacanaagn 300  
 ncnggacnga gannnatana cnacnacgna gannnagt cnaaanccgn cgtgntgaca 360  
 aananaannt gnnngnagna naanggnnca gacagagnan gnaannccgn 410

<210> 26  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903154H1

<400> 26

caaaaaaant ncntttgann ncncncntna acngccnnt naccngctnn aactcatnca 60  
 gcgnaagtn cncgactacg ccggcgaagc acacagcaan gaagngnnng ccnnncaca 120  
 gagcaaggaa anncananac gnnccanccna ngcnanngta cncnaancan caacntacca 180  
 ancaagagtg ncntncnnna nangngnacn caananccan ntnagnangn cgnacagcca 240

cgnaaanncn anggnaaggā nncan

265

<210> 27  
<211> 474  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903155H1  
  
<400> 27

aaacnanatn nnnatcatna acnacagcac acgaaaagan actcaaganc agtttncnag 60  
canancancn acngtacaca ctgncnnaca cacacacccc ncgcnagagag cagtgcnga 120  
cacnancnna nnacacgtng aacnacncag ccaatcnann cgananncac atgcnncaag 180  
tngtnntcnc acanancnac tacnacnaa nnnngctacg aaacnccntn aagataganc 240  
nnacgatcac nnanancana nnacacgacn gacgcnnanc aagnnananc catnannnaa 300  
cacannaanc annacgacan acnagcnaca anatnacana aacannacna ancangcacc 360  
atcnagncac gnaaanacgc aagacnataa ancaagcnat gngcaatnnn gacagccnag 420  
cagnnnagcn gacagncgca nnnanccgan ntgacaganc agncagcana nntc 474

<210> 28  
<211> 472  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903156H1  
  
<400> 28

nntgggagnn tgagnagnn tgnatagcan nnnnaggag agagatgcgc cacctctaga 60  
tatgtgnana nnacactctc ntaggttnac agangnagag ngacanacat gttatgtgga 120  
nagcagantg tgnntcntgg tgtagtcnt ggangtgga aggagtacga nntgnagact 180  
gngcaagngg agnagnggag ngnttanggt gnnngntnggn agnagngnga gntgntcagc 240  
ngtnantnnn gcngngcnag taaggancng gantgnggan aatagnnnna tgtanntana 300  
aacnnaaana gataagaant ngtgagaggt caatcaannn gnnngngngn ganatgaggn 360  
ngattnngan gggaannnag tttgnantg gaggaancng tagngtaggc agnaganng 420



nangnnagtg ttgtaaggct nanntatan nggtnagnag agnagagcna nn

472

<210> 29  
<211> 124  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903188H1  
  
<400> 29

gacgnagcan gcncgcgtac gtaagcncgg aantcggctc gagctcgagc cgattcggct 60  
cgaggnnagc tccccntnca nccangtnga cttcngcana anntnggann agcgaganan 120  
gcnc 124

<210> 30  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903219H1  
  
<400> 30

acncanctac ncctacntaa nctcgcaatt cnctcnnnc nctanctann ntaccgncac 60  
accacacnac nnnennntac agcannncgc ncntannnnn annttgact nncnacggnc 120  
ccntacgncn cagccncatn cgagncaatc cnggnccnac nccntaanca ctngtatcnc 180  
ancaatccnn cnnennntgn taangccaat nancagncta cngcnantgc atcnnnnccn 240  
cgcngccata ngtnnngcan nnatngnccc cannnnaannc acannncacn nnggccact 300  
ccncttagag aatatnnant nccnaacgn nnannan 337

<210> 31  
<211> 311  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903223H1  
  
<400> 31

nttttgatan gcnnatgtna tctcggaatt ctgnnnnatn attattatgt antattgtgt 60



tancgcncna tgtagaagnc acngggcctg gttngaagg gatcacnccc antngaagcn 180  
acngagtntct anncagngtn angtctgggag ancgcgangt cgactnagcn tacntcngga 240  
tcntgnaggg ctgggggtgc ccgacnccct tgtgcccnat natggcgctn ccggtgccan 300

<210> 34  
<211> 310  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903251H1  
<400> 34

antttgntaa cncgtanata atctcntaat tcnnctcgag ntccaatanc tgtccangtc 60  
nnnctgttna ncnttccnng cnggcccttn tagatggaga tnngnccggtc aaganngntn 120  
canngtgcna gancatgatc cttgaggnnn aaanngcnga gangnagnna caacgtcaat 180  
gnaagannc agganaagga aggantcncc ccggancagn ancgtcnnag tnggcnnccg 240  
aaagcaacng gaggatgggtc cntanccttg gtnggtacaa gatgtcagna ggagtgtatt 300  
nggcntnttn 310

<210> 35  
<211> 146  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903254H1  
<400> 35

nnattnnnnc atgtcttacn aaagcncgga attcnnncng ancgngtnag gnnntggngt 60  
cntgtncgtg gngatgnnna gtngnctggc ttntgagnnn ggcnnggttta tgangnttgn 120  
cncncgtcnn ggtcnagatg tctntn 146

<210> 36  
<211> 456  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations

<223> Clone ID: 700903255H1

<400> 36

aaaagtnttn tgcagngagt gcggtgaacg ntgagaggct gcgtgtaaat gtccgagccn 60  
tngnagggtta ananggatgn tatnttggtt gaggcngtgg ggtnanagnt atnaagtgtg 120  
cngtgggaga ggtncntgnt cgcgttgtgt gtntgtnggt tgtgtgnttt gctgtgtgcg 180  
ttanttnecg tctnntttgn gngnngtgn ttgt nangtg ancangactt gttgggtgtg 240  
ngtgnggtgg tatgtgtgtg gtgtgtgtag tgtgtgttgt gnagtgggtg gtgngtgtgt 300  
nggtggntgt gtggtgtgtt gngtgggtgg nggtgtgtgg tngtgtgtng agtgtgggtt 360  
tnanaatttt ggtttgtgtg tgtgtgggtg ggggtgtgtt ttggttgtgt tgtgtgtgtg 420  
gtgnggtggt gtangntngg tgtttggtgt gttgtt 456

<210> 37

<211> 305

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903270H1

<400> 37

acttcgcgcg cgnntnecgn agctcggaat ncngctcgag ctatngetcn ntngnctcgc 60  
tagcttatgc acngagggan gttgatnccn tntcngatg nntntcgtnc ggtatcgnc 120  
gctggnctc gtntcncgt attgggccgt aggcgncgt tnanngcng cnagtncgg 180  
ggngtcgcan cccgcngng ttggggngnc ngncgttnac cccgcntcg tgnngagtgt 240  
ggttngnnng tccgcgggtg nttgagcgt nccngctncc ncgnntntnt gtgtngcnc 300  
nnntt 305

<210> 38

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903275H1

<400> 38

acgtcgcang cacgcgtacg taagctcgga attcngctcg agnccctcatt tcttcttttc 60  
 cccacacaac atangancnc ngnnnnngnnc nngnaatgcn gngggctaaa attncagcnt 120  
 ccaanattga aaaaaaangn caaacaagtt ctctncnngn ncnngctctc ntggccncng 180  
 gattggccct cncagttctca gagtctgagt ctgntncnncn gctgcctcac gccgcngant 240  
 ccttcaatgt tagctatatc cagatgaaga acgtggggac ttgctcntac tn 292

<210> 39  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903279H1

<400> 39

ttntgcgttn gtctgtacgn tcacttttgn gtttcggntt cgtaggnggg ttgtcgtgnn 60  
 cgngtgtgnt gngggntnnt gtgtttggtg gtgngggttg ngtttgtntn tntgtggttt 120  
 gnngtggntg ttttgtngga aggtgtagng ttggttgggg gtnnntggtt nggtgtggnng 180  
 gtttncctgg gtgngtnttg tgnngttggg tttngtgnc ntnggagtag tgttttgtgg 240  
 gnggtgtggt gnttgggtgn gtggtgtgtc gtnnccgttg ngtntgtgcg tgnntgngn 300  
 nttngnttg ntggtttngt nnccttttgt 330

<210> 40  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903669H1

<400> 40

agtcgatgca gcgtacgtna gctcggaatt ccgagcttgg atcctctaga gcggccgccc 60  
 actagtgagc tcgtcgaanc cggaattaa ttccggaccg gtacctgcag gcgtaccage 120  
 tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttccctgtg 180  
 tgaaattggt atnccgctca caattccaca caacata 217

<210> 41

<211> 280  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700904079H1  
  
 <400> 41  
  
 gatngnatng tnnnnagtcn ganttcggct cgagggtagc agaannngta taatnactnn 60  
 nnneganntc ganggataan gctnnacgtn tgnngntgt ccanttggaa annctgtana 120  
 ancgtnaaga ntgcannnct nncannnggn nntagagggg gtcgcacngt nggggcancg 180  
 actcaangga tggnggatn gtangaggag tnannagcan gncgcaaaga ataangtnct 240  
 atagatncgg ggaattnaga antaaggagg tcatagggtt 280

<210> 42  
 <211> 89  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700904258H1  
  
 <400> 42  
  
 cgtcgacgc acgcgtacgt aagctcgga attcggctcg agnttttatt agaaataaaa 60  
 aatgacgttc ggttacttgg gttctcaag 89

<210> 43  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700904512H1  
  
 <400> 43  
  
 gtcgcangca cgcgtacgtn agctcggaat tccgagcttg cgatcctcta gagcgccgc 60  
 cgactagtga gtcgctcgaa cccgggaatt aattccggac cggtagctgg caggcgtacc 120  
 agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 180  
 gtgtgaaatt gttatccgct cacaattcca cacaacatan ananntaaaa aaa 233

<210> 44  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904603H1

<400> 44

nccaagtacg taaactcgga attccgagct tnaatcctct agagcggncg cngactantg 60  
 agctcgtcga accgggaatt aattncggac cggtagctgc angcgtagca gctttcccta 120  
 tagtgantcg tattagagct tggcgtaatc atggtagatg ctgtttcctg tgnaaattg 180  
 ttatccgctc acaattccac acaacatacn aantaaaaaa nannnnnann naannnnnnn 240  
 nnnnnnnnnn nnnnnnannn naannnnnna nnnnnnnnnn naannnnnnn nnnnt 295

<210> 45  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904608H1

<400> 45

cggntaangn ancnggacgt angctcggan ttcggctcgc atggcctagg cgcnttngtg 60  
 ncgtgggnnc ntnggttngc cnagtggcgg gcntgttgcg tnntgngggtt gggatgggnt 120  
 gncgcnanct ccnggtgggc nggtggggac ncgnncttnc gtgtggtgtg nngtgggtgt 180  
 tccagntngc ngtggntgcy tggcncggtt gcggnnnnncn agnngcannt nnggcgcgcn 240  
 ntctngntgt agnngnttn ccnttgcnca ncgngggncn ntngngnnnn nggtcggaan 300  
 gggngtgcat gnettgcnnc gtccgtggag gntgttggt ctnccggnn 349

<210> 46  
 <211> 144  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904644H1

<400> 46

cnnttaaac gtacnctag ncaaactngg aattcaactc gagagaaata aacntntgnn 60  
 agngngaagt gagnganaaa acntaggnag ngnaaannaa tggaggnata gtgaaacatg 120  
 gagntgaaag gngngcggaa atnt 144

<210> 47  
 <211> 308  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700904745H1  
 <400> 47

ntnctnctc gngcncgagg ncctcnctn ttangctcgc agtgtnngan cgcncnngag 60  
 nancnttnac nccacccac gncnaggn acnctctnct cncctgtnta gtnnnggggtg 120  
 tnnngttgct tatgtgntgc ggagtgtgan atgtggtent ggtgngctn gnnntnngnc 180  
 anntgtntc cangnngcn cncctgggt ggtctnnngt ttnngnngn ntgtnttan 240  
 nggncatggt ggggtgnnt gtaggtttnn ttnnggtng gntntngncc gctccnna 300  
 ctgnngn 308

<210> 48  
 <211> 212  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700905010H1  
 <400> 48

gtcgnngcn tagtacgtaa gtcggaatt ccgagcttgg gatcctctag agcgccgcc 60  
 gactagttag ctgctgaac ccgggaatta attccggacc ggtacctgca ggcgtaccag 120  
 cttccctat agtgagctgt attagagctt ggcgtaatca tggcatagc tgttctctgt 180  
 gtgaaattgt tatccgctca caattccaca ca 212

<210> 49  
 <211> 254  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
<223> Clone ID: 700905487H1

<400> 49

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ngctaattcc tcaaggatgt 60  
tttatctagc ttttaaaaaa aaaaaaaaag ggcgcccgcc gactantgag ctcgncgacc 120  
cgggaattaa ttccggaccg gtacctgcag gngtaccagc tttccctana gngagtcgta 180  
ttagagcttg gcgtaatcat ggncanagct gtttcctgng tgaaattggt atcngntcac 240  
aattccacac aaca 254

<210> 50

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700905847H1

<400> 50

gcatgcacgc gtacgtaagc tcggaattcg gctcgagcta gtttctagat cgcgagctgc 60  
cgcccttttt tt 72

<210> 51

<211> 157

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905980H1

<400> 51

ngttgcacgc ncgcgtncgt nagctcggan ttcggctgcg gagnntngnt agnnngncng 60  
atcggcacgg atnntactcg gncggactnt gnngacncgg tgaccgnnngg tgangacagt 120  
gnngaacgct tacttccaca acaanca ncnngn 157

<210> 52

<211> 91

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906169H1

<400> 52

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gngattcaaa actagttgtc 60  
aatcatgtca ataatacaaaa aaaaaaaaaa a 91

<210> 53

<211> 217

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906256H1

<400> 53

tcgcangcac gcgnacgttn agctcnnngt tcgnngncng ncctnntcta gagcggccgc 60  
cgactagtga gctcgtcgac ncgggaatta attccggncc ggtacctgca ggcgtaccag 120  
ctttccctat agtgaggctg tattagagct tggcgtaatc atggtcatag ctgtttcctg 180  
tgtgaaattg ttatccgctc acaattccac acaacat 217

<210> 54

<211> 64

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906738H1

<400> 54

gcnngcacgc gtacgtaagc tcggaattcg gctcgagnnc aaaaaaaaaa aaaaaaaaaa 60  
aaat 64

<210> 55

<211> 63

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906848H1

<400> 55

atgcacgcnt acgtnnngntc ggaattcggc tcgagcnccc tttttttttt tttttttttt 60

ttt

63

<210> 56  
<211> 159  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906856H1

<400> 56

cgcatgcacg cgtagcgaag ctcggaatta attccggacc ggtacctgca ggcgtaccag 60  
ctttccctat agtgagtcgt attagagctt gggcgtaatc atggtcatag ctgtttcctg 120  
tgtgaaattg ttatccgctc acaattccac acaacatac 159

<210> 57  
<211> 66  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700906872H1

<400> 57

gtcgcacgca cgcgtacgta agctcgggna ttncngctcg agctcgagcc gaataanaaa 60  
aaaaaa 66

<210> 58  
<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907445H1

<400> 58

aatcgacgn acgagtagnt cgctntacnt gtngctagag aagactnnga cannanaatt 60  
attgaagnag nananttnctg nncaagggna tatcttgant caagcnaatga ntccaggtct 120  
tgnanttnntn ggttnaatct ncaggtcang ngtaaccagg aatcggnaat cgaanntgcc 180  
anggagtgnn ttaanntgnn annngngatg ggtcctncag cngccaagga gntgngaant 240  
tntcatnaca tnatcanagt ttgtgcctna taggaccgtc nnanntggta naaagcn 297

<210> 59  
<211> 216  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907650H1

<400> 59

gtcgcangca cgcgtacgta agctcggaat tccgagcttg gntcctctag agcggccgcc 60  
gactagtgag ctgcgtcgaa cgggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttcctgtg 180  
tgaaattgtt atccgctcac aattccacac aacata 216

<210> 60  
<211> 207  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907812H1

<400> 60

atgcacgcgt acgttagctc ggaattccga gcttggatcc tctagagcgg ccgccgacta 60  
gtgagctcgt cgaccgggga attaatccg gaccggatcc tgcaggcgta ccagctttcc 120  
ctatagttag tcgtattaga gcttggcgta atcatggatca tagctgtttc ctgtgtgaaa 180  
ttgttatccg ctcacaattc cacacaa 207

<210> 61  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700908052H1

<400> 61

aagntntgtg cganangacn annnganng ttngagntnc gganacattg nagaannccg 60  
ganggtgagc aggttagtga gagcannngt aagganattg gacannccgt gnagtnatcg 120  
taagntagg agngtnangn gngagataaa cnnnnanagt nattacnagn tgtgaggang 180

nggaggaaga ngtgagnata tgttgntggn angganntan ccagggnngc tngttgcna 240  
 tgntcntgca gganganagn ntaagnntg tgnccacnt tnanntaagc gtgangngng 300  
 gnnctggatc tgnngtgcgg tangtcngcg naacanggac ngtgngtnag agtgggcnng 360  
 nacacanc 368

<210> 62  
 <211> 171  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908362H1

<400> 62  
 agtcgcangc acgcgtacgt aagctcggaa ttccgagctt ggatcctcta gagcggccgc 60  
 cgactagtga gctcgtcgac ncggaatta attccggacc ggtacctgca ggcgtaccag 120  
 ctttccttat agtgagtcgt attagagctt ggcgtaatca tggcatagc t 171

<210> 63  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908753H1

<400> 63  
 gtcgcatgca cgcgtacgta agctcgggcc gactagttag ntcgtcgacc cgggaattaa 60  
 ttccggaccg gtacctgcag gcgtaccagc tttccctata gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac 180  
 aacatacgat nncanaannn nnnnnnnnnn ncagnangan cacangnngn nngagnncnt 240  
 ncannnnnnn cnnnnanann nnnnnaannn nnnn 274

<210> 64  
 <211> 349  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<223> Clone ID: 700908770H1

<400> 64

gcnngtctnc acagcacgcy agacgcgngg ctgcgggact ccngncacaa gcctcaangn 60  
cnactagnnt cannetcatt tcccatcccc gggtctatac nacaagggtg ctggccngnn 120  
ggnnantagt gcaatgagta gnatnactng ttnttgcgnt acaaccgagc ntgngtggtc 180  
ggcggttgctt ggcatgagna gccctggcct cattantgcy nngaccaaga nancagcttt 240  
ngccatgcat ggtnnacng tnntagggan tttggcgtna tggananttgc cncanaagcn 300  
ganngtgggt cgcagccatt ccgnttggtc tcgncnngat ctggggagt 349

<210> 65

<211> 223

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908958H1

<400> 65

cnagatttnt cgtgtatgga gcttagggga ancaagttgc cagtaatnca ccagntncag 60  
ttaacaatan tgagcaaaan agagganttgc gatgggtcatc aaccantact gctgggtgcnt 120  
tggctgggtcc aagactngaa ganaggcgcc tgannccagn caatgctctt nnactanana 180  
atgtcaatga naggtcctat gtacacgcgt agccccaatt ctn 223

<210> 66

<211> 156

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909339H1

<400> 66

tcgcatgcac gcntacgtaa gctcggaatt ccggaccggt acctgcaggc gtaccagctt 60  
tccctatagt gagtcgtatt agagcttggc gtaatcatgg tcatagctgt ttctgtgtg 120  
aaattgttat ccgctcaciaa ttccacacia catagc 156

<210> 67

<211> 75  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700909352H1  
  
 <400> 67  
  
 gtgcgcangca cgcgtacgta agctcgggaa ttcgggctcg agcggctcga ganaaaaaaa 60  
 aaaaaaaaaa aannt 75

<210> 68  
 <211> 70  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700909372H1  
  
 <400> 68  
  
 tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagt tcaaataaaa aaaaaaaaaa 60  
 aaaaaaaaaa 70

<210> 69  
 <211> 429  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700909524H1  
  
 <400> 69  
  
 nttnncgacc nttnnntnnn tctganttcn ncgnnaganc ntgtgatnan gtgnagnagng 60  
 gaaactnngc ncaggtgngn nnagtagngt gcgcntnncan ngnggntgtg nagctataga 120  
 tttagntcgt gttnnntgnt gcggntagtt ncatngacna ngttgggtan tcncagtgga 180  
 nngnnacntg cnnngtnccc nngtgngcnn agctaagnng tgttcagtna gcataacctnc 240  
 annagtatnc agagttanct cgangttann gatnttagag tgtganngnn gtnaccatgt 300  
 cgtngnnntg cncgctantc tgagatcgta gancgtntta gtcagatnta tgngagtaga 360  
 gntcggnnnc gaannngcan gagatntntg agnnngcttg tctgtccanc nngtgcnga 420  
 tgtgngttt 429

<210> 70  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700909711H1

<400> 70

gtcgcangca cgcgtacgta agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
 cgactagtga gctcgtcgnn cccgggaatt aattccggac cggtagctgc aggcgtagca 120  
 gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtagatg ctgtttcctg 180  
 tgtgaaattg ttatccgctc acaattccac ac 212

<210> 71  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700909862H1

<400> 71

gtcgcangca cgcgtacgta agctcgggcc gactagttag ctcgtcgacc cgggaattaa 60  
 ttccggaccg gtacctgcag gcgtaccagc ttccctata gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtcatagct gtttcctgtg tg 152

<210> 72  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700910004H1

<400> 72

bgaatgangn ccgncgactc ngacngnaa ccatcancgc ngcngagann agcnagntna 60  
 aaanaggcaa gcnnacnncn ctcangcntn tgcangaant ccntncaagc gtcacancng 120  
 cggnaaagan accncgctna ccangngant cancangtct agtccgcgcn cacatcatgc 180



nctnaattnc ggnnnacacn angcncngnc ctggccatcn nngnnnacn nganagcngn 240  
nagcngccnn tcgctncg 258

<210> 73  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700863024H1

<400> 73

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ttaaataaac ttagtaaagg taactatcaa atagttgcaa tatataatat ataatgttga 120  
cagatatata atataataaa aactgaatgc cgaatggctg cattttatgc tggttttccc 180  
gaaactgtgc ctgttaggac cgttaatagg caatgttcac ctgggctcca ggctgtcgc 239

<210> 74  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700863028H1

<400> 74

aaaagacaac ccagagagcg cgtcttaata aacgctcttc tctgaaaacc cccatttctt 60  
ttcttctttc ttcttctctt tcgcttcttc gatcttcgat cttcgtcgtc gaaaatgaga 120  
gagtgcattt caatccacat cgccaggccg ggattcaggt tggaaacgcc tgctgggagc 180  
tttactgcct cgaacacggc attcagcctg atgggcagat gccaaagtgc aagaccgttg 240  
g 241

<210> 75  
<211> 138  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700863037H1

<400> 75

ctcggaatta attccggacc ggtacctgca ggcgtaccag ctttccctat agtgagtcgt 60

attagagctt ggcgtgaatc atggtacata gctgtttacc tgtgtgaaat tgttatcccg 120  
ctncacaatt tccaccan 138

<210> 76  
<211> 40  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700863092H1  
  
<400> 76

agctcggaat tcggctcgag cacaattctt tttttttttt 40

<210> 77  
<211> 214  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700952936H1  
  
<400> 77

gtcgcattgca cgcgtacgtn agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
cgactagtga gctcgtcgac ccgggannta attccggacc ggtacctgcc aggcgtacca 120  
gctttcccta tagtgagtcg tattagagct tggngtaate ntggcatag ctgtttcctg 180  
tgtgaaattg ttatccgctc annattccac acaa 214

<210> 78  
<211> 186  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700953062H1  
  
<400> 78

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gccnaactct ggccctggtn caaaagggnn ttgncgtcac gncntctcng ggcagaccac 120  
tngcnttcaa gacngcccgt canaatatgn cnncaatann gacaccatna tnnccncac 180  
nctcat 186

<210> 79  
<211> 153  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700953310H1

<400> 79

acgtcgcang cncgcgtacg taagctcgga attccggaac cggttacctg caggcgtacc 60  
agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 120  
gtgtgaaatt gttatccgct cacaattcca cac 153

<210> 80  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953696H1

<400> 80

gatacttaat cctacgttag ttgtgcttca acctattacc gcattcaatt ttccagaaaa 60  
ataaaaaaaaa aagaaagata gaaatggcgc atattcctca gacccccacc aatgacgcgg 120  
cggcttctgg tgcaaatecg tcgatgacga ccatctcggt gtacgtcggg gatcttgacc 180  
acgacgtcaa cgatccgcag ctctatgatc tcttcaacca ggttgcccaa gtcgtttccg 240  
ttcgaatttg 250

<210> 81  
<211> 134  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954431H1

<400> 81

ncgcangcac gcgtacgtaa gctcgnnatt cggctcgagn ttcacatttt gnntgagatt 60  
ttntnatgta acccantant cattggntgg aaaannaaaa aaaaaaaaaa aaaaaaanaa 120  
aaanaaagca aanc 134

<210> 82  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954518H1

<400> 82

aangcacgcy tacgtaagct cggaattccg agcttgggnt cctctagagc ggccgccgac 60  
 tagtgagctc gtcgaccggg gaattaattc cggaccggta cctgcaggcg taccagcttc 120  
 cctatagtga gtcgtattag agcttggcgt aatcatggtc atagctgttt cctgtgtgaa 180  
 attgttatcc gctcacaatt ccacacaaca tacgncnncc ananagagan gnnannngna 240  
 c 241

<210> 83  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954818H1

<400> 83

acgtcgcatg cacgcgtacg taagctcgga attccgagct tggatcctct agagcggccg 60  
 ccgactagtg agctcgtcga cncgggaatt aattccggac cggtacctgc aggcgtacca 120  
 gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtcatag ctgtttcctg 180  
 tgtgaaattg ttatccgctc acaattccac acaacatacg cgnn 224

<210> 84  
 <211> 210  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954829H1

<400> 84

gtngcangca cgcgtacgta agctcggaat tccgagcttg gatcctctag agcggccgcc 60

gactagtgag ctcgctgacc cgggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
 tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttctgtg 180  
 tgaaattgtt atccgctcac aattccacac 210

<210> 85  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954870H1

<400> 85

ngncncngca cgcgtacgta agctcggat tcgntcangt tncaacccta gtcactactc 60  
 actcacaagc atgcacgtnn ttnnncnatg cnnncattga tggaccttcc nagcancnta 120  
 ccatgacnan atcnngttgt tntggcctcn gtctgtgac cncntcana gaagnnagaa 180  
 ntccctntgt attacaaggc taatgggtng tttgtggcgc cntgtaggtc naaaggactn 240  
 gactngaagt ngaattcgna nccccccca aattttctga caaacnntga cttcatantg 300  
 gggcataccc ttgttcacgg gnttntntng agacccttnc ctttttagcg tnggnnaatt 360  
 ttncnccagg 370

<210> 86  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954935H1

<400> 86

ngncangncg cgtacgtgag cncgnggtn ntccggnc cgtacctgcn ngcgtaccag 60  
 cnttncctat agtgagtcgc attagagctt ggcgtaatca tggncatagc ngtttctgn 120  
 gtganatngt natccgctca cnattncaca naacatacga n 161

<210> 87  
 <211> 173  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954992H1

<400> 87

acgtcgcang cagcgtacg taagctcgga attccggacc ggtacctgca ggcgtaccag 60  
ctttccctat agtgagtcgt attagagctt ggcgtaatca tggatcatagc tgtttcctgt 120  
gtgaaattgt tatccgctca caattccaca caacatacga ggtngnanan ana 173

<210> 88  
<211> 311  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700955349H1

<400> 88

gtcgcacatgca cgcgtacgta agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
cgactagtga gtcgctcgac ncgggaatta attccggacc ggtacctgca ggcgtaccag 120  
ctttccctat agtgagtcgt attagagctt ggcgtaatca tggatcatagc tgtttcctgt 180  
gtgaaattgt tatccgctca caattccaca caacatacga gtcncgaaag ggggatgtgc 240  
tgcnaggnga ttaagttggg taacgccagg ttttccagc cagcacttgt aaaacgacgg 300  
ccagtgattn c 311

<210> 89  
<211> 159  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700955559H1

<400> 89

gtcgcangca cgcgtacgta agctcggaat tccgagcttg gatcctctag agcggccgcc 60  
gactagttag ctcgctcgacn cggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
tttccctata gtgagtcgta ttagagcttg gcgtaatca 159

<210> 90  
<211> 174

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700955874H1  
 <400> 90

acgtcgcang cacgcgtacg taagctcggc taacagcgcg atttgctggt gacccaatgc 60  
 gaccagatgc tccacgcccc gtacgcgtac cgtcttcacg ggagaaaata atactgttga 120  
 tgggtgtctg gtcagagaca tcaagaaata acgccggaac attagtgcag gcag 174

<210> 91  
 <211> 81  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700956158H1  
 <400> 91

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag actagttcta gatcgcgagc 60  
 ggcgccctt tttttttttt n 81

<210> 92  
 <211> 403  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700956290H1  
 <400> 92

tcctgaccga gtngtcgaat cggctcgagn nttntnttcc nnantcatg gnagntntn 60  
 tcctggncg tcttntntnt nggnnnatng gatncnggtg gcaancnttn tagnnanga 120  
 tgcncnatta cnatgcancn atntntntcn ntgcantcna tcactctttc ggctcggcac 180  
 attggttcat cnnaccgnac nngacatacc gtaggactat antcnggcaa ntctaganct 240  
 cgctctttnt aggctatctc gcgcacaacc ntggaaantt cacactatct tcggnccacg 300  
 agatgtaaac cgctttntac caaacnctaa tcgntttttn gtcncnatg gtcaaatacca 360  
 cggtantntt ngctatggga acttagcnaa gcttannccc tan 403

<210> 93  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956318H1

<400> 93

nacngntacg taagctcggg ccgactagtg aantcgtcga cccgggaatt aattccggac 60  
 cggtagctgc aggcgtacca gctttcccta tagtgagtcg tattagagct tggcgtaatc 120  
 atggtcatag ctgtntcctg tgtgaaattg ttatccgctc acaattccac acaacatacg 180  
 nttgggnaaa nacngnnan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnntan nntnaagnnn nnnnnn 266

<210> 94  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956456H1

<400> 94

gtngcatgca cgcgtacgta agctcgggaat tcggctcgag gttctagatc gcgagcggcc 60  
 gccnnttagt ganctcgtcg annccgggaat taattncgga ccggtatctn nanncgtaan 120  
 anntttccct atagtaantc ntattaaaan ntggcgtaat catggncata natgtttccn 180  
 ntnccaatt gntatccggt cnaaattgcc acanaaaata cgantnaaca naaaaaangg 240  
 gaaaaaagga aacnagaatg ggnggcgnaa aaattntngg tgcntcnang ng 292

<210> 95  
 <211> 120  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956507H1

<400> 95

nncgcgtacg tnagcncgga attcggctcg agcnggtatn nccatgatnn nnacatatga 60



tcannangct tgggcctgat gganntgogg gancaccttc cngnaatcag nncaatnngn 120

<210> 96  
<211> 121  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700956537H1  
  
<400> 96

cgchangcag cgtacgtaag ctcggnattc gggctcgagc ancgacacc cgnatcaaaa 60  
gtcacncnat tencatcaga gcncncnnnn cnagcattnc ccttagngta ggtnttgaa 120  
g 121

<210> 97  
<211> 306  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700956555H1  
  
<400> 97

natacgcnac ncgaacgnan gcacncan cn cgagnngatc ganatannat anaaccngan 60  
nagatcannn aagnagaanc agncgnaaan nannantgtc caaagaacan acgannaana 120  
nnanaggca ngcngannac nnancnggnc atgaactnna ctncnacng aacggacn 180  
ganggccaa g ncaaggnc nanccanctn tnnctncgca tcccanacan gaancaacna 240  
acacnnnaac anccaancan cacagcgaca tgcancatan ananctncaa cncngangnn 300  
tncaat 306

<210> 98  
<211> 125  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700956576H1  
  
<400> 98

ntgcgcacnt nicgnncgtga attcggctcg agcnncgtnt gcaacntgcc agggtaagaa 60  
 ctcactngag nagantcact ggcnaccaaa caagattncg gtnangnngc agcatcangc 120  
 nttgn 125

<210> 99  
 <211> 291  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700957036H1  
 <400> 99

ttcncgcana cnnagcnnngc tcngantncn gctcnacgcc anncnccach tnaacnncac 60  
 aagctnnntn cccanccaac tangnnncaa cncnnacnnc nnnaaannat ngnetnacnc 120  
 cannnnnnnn cgnetgcaag tgcagcccn cnagnnnccc cccnccggnn naagggnncc 180  
 gnnagcnggc caatnnngnn tgnngtgggg gngnnccggn gnnngngnct gntgtgggng 240  
 gttctggtng ggngngggng ggnanccgna gcanctnct gnnagntnn n 291

<210> 100  
 <211> 194  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700957254H1  
 <400> 100

acgtcgcatg cacgcgtacg taagcttgga tcctctagag cggccgcoga ctagtgagct 60  
 cgtcgacccg ggaantccgg accggtacct gcaggcgtac cagctttccc tatagtgagt 120  
 cgtattagag cttggcgtaa tcatgggtcat agctgtttcc tgtgtgaatt gttatccgct 180  
 cacaattcca caca 194

<210> 101  
 <211> 67  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957427H1

<400> 101

gcacgcgtac gtaagctcgg aattcggctc gaggttctag atcgcgagcg ccgccctttt 60  
ttttttt 67

<210> 102

<211> 65

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957457H1

<400> 102

gtcgcntgca cgcgtacgta agctcggaat tcggctcgag nnaaaaaaaaa aaaaaaaaaa 60  
aaaan 65

<210> 103

<211> 178

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957794H1

<400> 103

acgtcgcang cacgcgtacg taagctcggg ccgactagtg agctcgtcga cccgggaatt 60  
aattccggac cggtaacctgc aggcgtacca gctttcccta tagtgagtcg tattagagct 120  
tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattcc 178

<210> 104

<211> 134

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957855H1

<400> 104

ncntctgcgc gcacgcgtac gtaagctcgg aatncggcnc gagaaaggac taacccttcc 60  
tgggatcngc tttgcnagnc nctttngcnn cgcncacngn cggnaangng gaacncgaga 120  
ggnnagagaga ggcg 134

<210> 105  
 <211> 124  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957886H1

<400> 105

ngtctgcacg cagcggtacg taagctcggg ccgnntagng agntcgtcga cccgngaatt 60  
 aantccggac cggtagctgc aggnctgacc agctttgccc taangngtga gtnccgnatta 120  
 gagg 124

<210> 106  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957916H1

<400> 106

agtggaaact gagattctga gaggaatcag cccttttccg tatactttac ttgaacaagc 60  
 cgtttgagtt cggcgtgttt aataaataaa atcacaagac aacgttgtct tgcgcctgaa 120  
 agtggttggtg agacaaaacc acaatacagt tttagaatgg agaagacagc agttaagtt 180  
 cgatgccaga ggattgggtg cgacgccatg ttctccgagg ccgacaaccc cgacggttcc 240  
 tgtcga 246

<210> 107  
 <211> 160  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957955H1

<400> 107

gtcgcangca cgcgtacgta agctcggaat taattccgga ccggtacctg caggcgtacc 60  
 agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 120  
 gtgtgaaatt gttatccgct cacaattcca cacaacatan 160

<210> 108  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958174H1

<400> 108

gtcgcnnnga cgcgtacgta agctcgggcc gactagttag ntcgtcgacc cggaattaa 60  
 ttccggaccg gtacctgcag gcgtaccagc tttcncata gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtcatagct gtttctgtg tgaaattgtt atccgctcac aattccacac 180  
 aacatacg 188

<210> 109  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958570H1

<400> 109

gtcgcangca cgcgtacgtn agctcgggaat tccgagcttg gatcctctag agcggccgcc 60  
 gactagttag ctcgtcgacc cggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
 tttcctata gtgagtcgta ttagagctgg cgtaatcatg gtcatactg tttcctgtgt 180  
 gaaattgtta tccgctcaca attccacaca acatag 216

<210> 110  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958760H1

<400> 110

angtcgang cacgcgtacg tnagctcgga attccgagct tgggacctc tagagcggcc 60  
 gccgactagt gagctcgctg acccggaat taattccgga ccggtacctg caggcgtacc 120

agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgttcctg 180  
tgtgaaattg ttatccgctc acaattccac a 211

<210> 111  
<211> 274  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700958926H1

<400> 111

ctgcacgcgt acgtaagctc gggccgacta gtganctcgt cgacccggga attaattccg 60  
gaccggtacc tgcaggcgta ccagctttcc ctatagttag tctgtattaga gcttggcgta 120  
atcatgggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat 180  
annangnnaa aaaagangnn ngntnnnnn cngncnnnnn nnnnngggnn nnnnnnnnn 240  
nnnnnncnnt tnnnnnnnnn nnnnnnnnnn nnnn 274

<210> 112  
<211> 145  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700959261H1

<400> 112

tntttcnccc tntacgtncg caaanctcng anatgnnngc tngcaanngt gaagananinn 60  
ncaaanatgt ntngntcnga gnganntatn gnancgtctn tntgtacann ncgcnangnn 120  
ncagtngnch ncttcagagn acacc 145

<210> 113  
<211> 160  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700959933H1

<400> 113

aaaaangaaa agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gagttaacca 60

acaagcttac ttttatggnn tnnnatchat antgnnncgc nanggatnna ttcctgtgtn 120  
gcntcaangg aatcgtag nactggtatt caaagacaan 160

<210> 114  
<211> 60  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700960060H1  
  
<400> 114

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgang ncngcccttt tttttttttn 60

<210> 115  
<211> 54  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700960138H1  
  
<400> 115

agcgcangca cgcgtacgta agctcggaat tcggctcgag nttttttttt tttt 54

<210> 116  
<211> 202  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700960405H1  
  
<400> 116

cangcncgcg tacgttagct cggaattcgg ctcgagncta gttctagatc gcgagcggcc 60  
gccgnctagt gagctcgtag acccggaat taattccgga ccggtacctg caggcgtacc 120  
agctttccct atagttagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 180  
gtgtgaaatt gttatcngct ca 202

<210> 117  
<211> 216  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960521H1

<400> 117

cgcnecatgc acgcgtacgn aagctcggaa ttccganttn gatcctctag agcggccggn 60  
gactagttag tcgtngacgc gggaattaat tccgnaccgg nacctgcagg cgtaccagct 120  
ttgcctatag tnagtcgtan tanagcttgg agtaatcang gtcanagctg tttcctgtgt 180  
gaaantgnta ncgcgctcac aattncacan aacata 216

<210> 118

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960527H1

<400> 118

actacgaccc anccgcaagc naccctcgca attccnctcn cgnccccaan canacncacc 60  
acnaantccc ctccccaccc agccccccac cnnccacccc ccacacccca ntccnccncc 120  
aanccacncc tccccacccc cccccccacc ccccnccnac cccccccgcc cggacccacn 180  
nccccctecn nccnccncc ccaccccncc nccacacccc nccccacgc ccacnccncc 240  
cncacccccc nccnaccncc ntccccacc cntnnccgc cnnacacccn cccncccncc 300  
cccccccccc ncccc 316

<210> 119

<211> 87

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960625H1

<400> 119

gcnncangca cgcgtacgta agctcggaaat tcggctcgag gnnncnananc ncnancngnc 60  
gngctntnct tttttttttt tggnnnn 87



<210> 120  
 <211> 64  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700960659H1  
  
 <400> 120

acgtcgcang cacgcgtacg taagctcgga attcggctcg agccgagaaa caaaaaaaaaa 60  
 aaaa 64

<210> 121  
 <211> 179  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700960768H1  
  
 <400> 121

gtcgcangca cgcgtacgta agctcgggcc gactagtgac atcgtcgacc cggaattaa 60  
 ttccggaccg gtacctgcag gcgtagcagc ttccacnana gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtagatgct gtttctctgtg tgaaattgtt atccgctcac aattccaca 179

<210> 122  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961062H1  
  
 <400> 122

gtcgtangcn cgcgtacgtg agctcgggaat tcggctcgag ctgaatttga gactttccac 60  
 acaacanang agtntncgng ngncgnangc gngngngggn ggnnncctcn agccnccgnc 120  
 ngccnncgng ngngccgncn ncnnngngnn cctncncacg tcgnnnnncgn gnnngnntgn 180  
 nnctgtggcn gncnccgngn gccngggngc nncgggngcg gtnggtgggn nggnnnngnn 240  
 cgngtgagca gntanngggn gnnngncngg ggnnnnnnngn ggncng 286

<210> 123

<211> 130  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961351H1  
  
 <400> 123  
  
 cncntttnac ncacgcgtac gtaagcncgg aattcggctc ganaganact ncccgttncc 60  
 aactncacgn tgcnataccn tgntgaagnt cgagtgggcc tnggtncgtt tcactaagtg 120  
 ancganagan 130

<210> 124  
 <211> 60  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961361H1  
  
 <400> 124  
  
 gtcgcangca cgcgtacgta agctcggaat tcggctcgag naaaaaaaaa aaaaaaaaaan 60

<210> 125  
 <211> 370  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961968H1  
  
 <400> 125  
  
 tgtcggagag tgatcgtnac atcagcagtg tcctctcntg atacttggtg gangttatgn 60  
 nccatcttct ggcagaacta atgtcaccac ctgcaattgc nggtggtgac atttagttct 120  
 gccagaagga tggctcatta nacttaaattg gtaganccaa cctngncaca tttngccaaa 180  
 ncantttctt anctcgggggt tttccccctn ctttttcggg ttngggccngg tttttgncca 240  
 ttgggggctt taaaagggga aaanccattt gaaattanaa nttaaggggg aanggaaccc 300  
 ggatttggn cttcccccaa nntttnnncn nggccccctt tnccnantnn ccccnaaang 360  
 ggnnnctttc 370

<210> 126  
<211> 165  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700962377H1

<400> 126

gncgtcgcan gcacgcgtac gtaagctcgg aattccggna ccggttacct gncaggcgta 60  
ccagctttcc ctatagttag tncgtcatta gagcttggcg taatacatgg tacatagctg 120  
tttnctgtg tgaaattggt ataccgnctc acaattccac canca 165

<210> 127  
<211> 201  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700962464H1

<400> 127

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagt ctagatcgcg agcggccgccc 60  
gactagttag ctgcgtgacc cggaatttaa ttccggaccg gtacctgcag gcgtaccagc 120  
tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttctgtgt 180  
gaaattgtta tccgctcaca a 201

<210> 128  
<211> 86  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700962735H1

<400> 128

acgtcgnatg cacgcgtacg taagctcgga attcggctcg agctagttct agatcgcgag 60  
cggccgccct tttntttttt tnttna 86

<210> 129  
<211> 65  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700962758H1

<400> 129

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag naaaaaaaaa aaaaaaaaaa 60

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<210> 130

<211> 57

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700962816H1

<400> 130

gngcagcgcg tacgtaagct cggaattcgg ctcgagnnaa aaaaaaaaaa aaaaaaan 57

<210> 131

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700962846H1

<400> 131

nntacganng tacgcgtncg tnahtcgggn attcggctcg aanggatagn ngattgaggn 60

tnaatcgggtg nnntgntgtg ngnaagntn aggaanatan gngctagatn gnagnangcg 120

attttnttat atganattnn aaagagtnga ntggatnatc tcaatcccat gaattagcna 180

ttgagtttna gctgaatcgg acatcgttga cgatntcnct cantcacaca ctactgnntc 240

ggncagntta caagtnaach cngcgtgctc agnnnaccct anntattagg ggntngntgt 300

g 301

<210> 132

<211> 218

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700963052H1

<400> 132

gtcgcacgca cgcgtacgtn agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
cgactagtga gctcgtcgac ancggaatt aattccggac cggtagctgc aggcgtacca 120  
gctttcccta tagtgagtcg tattagagct tggcgtaatc atggatcatag ctgtttcctg 180  
tgtgaaattg ttatccgctc acaattccac acaacata 218

<210> 133

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700963237H1

<400> 133

gtcgcangca cgcgtacgta agctcggaat tccgctcgag nnnctnnana nnttgagana 60  
tcnnncnnnn ntntnnncng tngncanncg anacctnag ctctcggnnn cttgntantt 120  
tcggnncgcn nncgatactn tnaccgtnat tnnnnnnnt nnnncgggaa nntggtnnnc 180  
gnggangnan gnnngggcgc tcaagntcct ntgtgacncg gcngntcana nggnacggta 240  
ccgtnatnnc gtnctgtgt ntccccnaan tngannaang ggtctagnat tgcgcacg 298

<210> 134

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700963294H1

<400> 134

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nctctngtn ncncttcncc ccaactnnac ggncnntnag nnnntnagtt cnanagntac 120  
annacagcgt gtgtncggnt anangacncc gtcnntnacb ncgagnanan tgaganaatg 180  
nctgaaaaaa cgggtataac ccacagatga cncgggggtg aaangtgatt cgatggccaa 240  
tacngccngt tgnattcccc anttcccgan tggaggccaa gaccctata tagattntct 300

accggtgtg ggattggagg acgtcttacc cagtaaactt ttgtaccccg accaaaactt 360  
 tggancccat ggcaattttt tcgnggntta gctnaaactt nttgagaatn ggggtttggn 420  
 gccattttac cntcttggcg gatcgngacn aaaag 455

<210> 135  
 <211> 78  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963429H1

<400> 135

tngcangcac gcgtacgtaa gctcgggaat tcggctcgag cnccatttgt gctatattta 60  
 tggtatgttt ttatttgn 78

<210> 136  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963554H1

<400> 136

aacntcgcan gcacgcgtac gtaanctcgg aantcggctc gagatngntt naaaatnaat 60  
 gnnnggactg tgtncatggn acttgcanaa nancanattg gcagttatng ncaccacann 120  
 nanactttna ctataatgat gccnatttna cgtgctgngg tt 162

<210> 137  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963645H1

<400> 137

acgtcgcang cacgcgtacg taagctcgga attccggacc ggnacctgca ggcgtaccag 60  
 ctttccttat agtgagtcgt attagagctt ggcgtaatca tggatcatagc tgtttcctgt 120  
 gtgaaatngt atccgctcac aattccacac aacatacgnc ccgcnennnn ngangnnnn 180

ncnnnnnnnn nannannngn nnnnngnnnnn nnnnnnnnnn nnnngnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn cnnnnnnnan cnncttnnnn cnnnnnnnnn nnacccccnn 300  
 nnnnnnnnnn 310

<210> 138  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963845H1

<400> 138

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gactagttct agatcgcgag 60  
 cggccgccgn ctagtgagct acgtcgaccc gggaattaat tccggaccgg tacctgcagg 120  
 cgtaccagct ttccctatag tgagtcgtat tagagcttgg cg 162

<210> 139  
 <211> 75  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700964251H1

<400> 139

agtcgcangc acgcgtacgt aaagctcgga attcggctcg agcttctctg cttggaggct 60  
 tttntttttt tttnn 75

<210> 140  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700964519H1

<400> 140

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 gtctccctag ccttcttttt ggtggctact taaccaaggg cacaactccg anccgataac 120

ncgttttccct tctacaacct ttgcananca aagtttgcaa agcncccaag nttcccaaaa 180  
 cnccaaaaaan cnatnttaaat tgggcttccn caaaaanaca agnaattggc cttaaggtta 240  
 attttgncc cattgcccc tcccttgggg ggggggttng gtnttaaanc caaaaacntt 300  
 gcccaacccc caaaaaaag gtttttgggg ggcccaaggg cccaaaaaac cgggggnccn 360  
 ggtttgggnc cnccccaaaa ccccttttnn cggggggggg aaaattnccc ttgcccttcc 420  
 ccgggggntt ttncctgggt ttggnncc 447

<210> 141  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700964805H1

<400> 141

gtcgcngcna ncgnacgtaa gctcggaatt ccgagcttgn catcctctag agcggccgcn 60  
 gactagttag ctgcgtgaan cgggaantaa ttccggaccg gtacctgcca ggcgtaccag 120  
 ctttccttan agtgagtcgt atnanagctt ggcgtaatca tggcatagc tgtttcctgt 180  
 gtgaaattgt nactngctca cnantccaca caacat 216

<210> 142  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700962086H1

<400> 142

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 ccacgagtgg tcgcgagtac aaggtcaagg acctttcca ggccgacttc ggccgcctcg 120  
 agatcgagct ggccgaggtt gagatgcccg gcctcatggc ctgtcggacc gagttcggcc 180  
 cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatgacc atcca 235

<210> 143  
 <211> 260  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700903523H1

<400> 143

tccaggagta ctggtggtgc accgagcgcg ccctcgactg gggccccggt ggtggacccg 60  
acctcatcgt cgacgacggt ggtgacgcta cccttctcat ccacgaaggc gtcaaggccg 120  
aggagctcta tgagaaaccg gcgaactccc cgacccaac tccaccgaca acgccgagat 180  
tcagatcgtg cttaccatca tcagagatgg gttgaagacc gatcccacca ggtaccgcaa 240  
gatgaaggag cgtctcgttg 260

<210> 144

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863078H1

<400> 144

cgtaagtaca ctgaggtgaa gccagccctc acaaacatgg ttgccgcagc aaaactcatc 60  
cgcaacgaac ttgccaaagt aatggtataa gaaagtagaa tcttccaagt catttggttc 120  
tgctttatat tataatacac aaagaaaaat tttctctata ttgggttggt tcaataactg 180  
tgtgtggaat atttaggtgt cttagcatgc tctgtgagca attgattctt cctcaacccc 240

<210> 145

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700953594H1

<400> 145

ttattgctga ccttaaggca gctggtgctt catggattca atttgatgag cctacccttg 60  
tcttggaact tgaatctcac aagttgcaag ctttactga cgcatatgca gaacttgac 120  
ctgctttgtc tgatctgaat gttcttggtg agacctactt tgctgacatc cctgctgagg 180  
cgtacaagac cctcacatct ctgaatggcg tctactgcata tgggtttga 229

<210> 146

<211> 259

<212> DNA  
<213> Glycine max

<223> Clone ID: 700905233H1

<400> 146

cttggtgctc tccaagcctg ccaagggagt cgagaaatcc tttctctcc tctctctct 60  
tccaaggtt cttgctgtct acaaggaagt tattgctgac cttaaggcag ctggtgcttc 120  
atggattcaa tttgatgagc ctacccttgt cttggacctt gaatctcaca agttgcaagc 180  
tttactgac gcatatgcag aacttgcacc tgctttgtct gatctgaatg ttcttgttga 240  
gactactttg ctgacatcc 259

<210> 147  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700959515H1

<400> 147

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catctctggc tcagagcttt accaagcgcc caatgaaggg aatgcttacc ggctctgtta 120  
ccattctcaa ctggctcttt gttagaaatg accaacctag atctgagacc acctaccaga 180  
ttgctttgtc tatcaaggac gaagtggaag accttgaaaa ggctggcatc actgttatcc 240  
aaattgatga agctg 255

<210> 148  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952331H1

<400> 148

gaccttgctg cttctctcac tacattgcag ggtcttgagg gcattgtggg caaagataag 60  
cttggtgtgt ccacctctc ctcccttctt cacactgctg ttgatcttgt taacgagacc 120  
aagttggatg acgagatcaa gtcattggcta gcatttgctg cacaaaaaat tgttgaagtt 180  
aacgcattgg ctaaggcatt gtctggcaac aaggatgtgg cttctctctc tgctaattgt 240

gcagctcagg cttcaaggaa gtcctctcca aga

273

<210> 149  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700964425H1

<400> 149

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cacaagaaaa atggcatctc acatcgttgg atacccccgc atgggtccca agagagagct 120  
caagttcgct ctogagtctt tctgggatgg caagagcagc gccgaggatt tgcagaagg 180  
ggctgctgat ctgaggtcat ccactctggaa gcagatggct ggtgctggga tcaagtacat 240  
ccccagc 247

<210> 150  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908840H1

<400> 150

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gaactgagga ggggtgctcg tgaatacaag gctaacaaga tctcagagga ggagtatggt 120  
agttcaatta aagaggaaat ccgcaaagtt gttgaactcc aagagaatct tgatatcgat 180  
gtcctggtag acggggagcc tgagaggaat gacatggtag agtactttgg tgagcagttg 240  
tcaggctttg cctttacc 258

<210> 151  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958865H1

<400> 151

ctttgttttc aattaggttt ttttggtgct ctcttcaaaa ctccatcttt ccaaatcctc 60

tctttgcat tgtgttttga tctgttctct actgcatag tttctctact gttacatggc 120  
catggcggtt tccgcaattg gttttgaagg tttcgagaaa aggttggaag tatccttttt 180  
ccagccggga ctttttctg accctgaagg aaggggtcta agggctctta caaatccca 240  
gttgggtgag a 251

<210> 152  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700962044H1

<400> 152

aatgacacca cctacccct tctccctata aatggcaact caatgcccc cttagaactc 60  
gcagcgcttg atttgaggcc aggcaagccc cactcaacca ccacacctt cctcgttcac 120  
gctacccctt tctgtcttct ttctaccttt caagttttta aagtataaag atggcagaga 180  
cattcctatt tacctcagag tcggtgaacg agggacaccc tgacaagctc tgc 233

<210> 153  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700964366H1

<400> 153

caggcaagcc cactcaacc accacacctc tctcggtca cgctacccct ttctgtcttt 60  
cttctacctt tcaagtttta aaagtataaa gatggcagag acattcctat ttacctcaga 120  
gtcgggtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 180  
cgcttgcttc gagcaggacc cagacagcaa agttgcctgc gaaacatgca gcaaaaccaa 240  
cttggtcatg gtcttcgg 258

<210> 154  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906176H1

<400> 154

cacactcggt catatatctc tctgctcttc tcttctcttc tacctctcaa gtttttgaag 60  
tataaagatg gcagagacat tcctattcac ctggagtgca gtgaacgagg gacaccctga 120  
taagctctgc gaccaaactc ccgatgctgt cctcgacgct tgcctcgaac aggaccaga 180  
cagcaagggt gctgcgaaa catgcaccaa gaccaacttg gtcatgggtc tcggagaga 239

<210> 155

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700907558H1

<400> 155

gaaaaagttg gtgtgctgct tctcaatcta ggaggaccag agacattgaa tgacgttcaa 60  
ccttttctgt ttaatctttt tgcagatcct gatatcattc gtcttccaag gttgtttcgg 120  
tttctccagc gaccattggc aaaattgatt tctgtacttc ggtctcctaa atccaaggaa 180  
gggtatgctg ctattgggtg tggctctcct ttacgcaaaa ttacagatga ccaggcactc 240  
gcaattaa 248

<210> 156

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700964466H1

<400> 156

ctcccttatt attaaattaa aaagctgaca aattgggggg tcaactgatg aattagatcc 60  
attccttggg gttgatgcat gcgtccaaga gtttccattc ttcgcttctt tcttccggtt 120  
tatgatcgta ttcccaccga gcagtcagtg ggagagaaac aagtatactc tctattctcc 180  
ctccagtttt cagtccaaat gttgtacccc tatcatatac caaattgaat tcaacatata 240  
gtcccttc 249

<210> 157

<211> 201

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700960522H1

<400> 157

gcgacacnCG gcctccactt ctnaagtacc ngaanaacaa tnnaagaatg taagagggga 60  
tggaactgnt gacngcaagg aatgggntag natctatgat tatgatgtnt acaatgactt 120  
ggnggatcca cataanggtg aaaagtatgc tacgcngcnn cnntggaggt tgnnccttac 180  
ctnanctcgc agangngaca a 201

<210> 158  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956601H1

<400> 158

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catcagattt tctcgctttt ggaatcaaat ctgtatccca agatgtcttg cctgtcttga 120  
ctgatgcatt cgatggaaat attttgagcc ttgagtttga taattttgct gaagtgcgca 180  
aactctatga aggtggagtt acactaccta caaactttct tagcaagatc gccctatac 240  
cagtgatcaa ggaaattttt cgaactgatg gcgaacagtt c 281

<210> 159  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906062H1

<400> 159

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tcgcttatgg aatcaaactt gtatcccaag atgtcttgcc tgtcttgact gatgcattcg 120  
atggaaatat tttgagcctt gagtttgata attttgctga agtgcacaaa ctctatgaag 180  
gtggagttac actacctaca aactttctta gcaagatcgc ccctatacca gtgatcaagg 240

aaattttttcg aactgatggc gaacagtt

268

<210> 160

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700952395H1

<400> 160

atTTTTcttg aaaaatgatg gaactttgac gccattggcc attgagttaa gtaagccaca 60

tcctcagggt gaagcatatg gtcctgttag tgaagtctac gtgccttcga gtgaaggagt 120

tgaagcttac atttggttac tggcaaaggc ttacgttggt gtgaatgatg cttgctacca 180

tcaaatacatt agccattggc taaacactca tgcggttggt gagccattcg tcatagcgac 240

aaacaggcat ctgagcgtgg ttcacccta 269

<210> 161

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700952820H1

<400> 161

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ccatgactat ctattccat atttgaggaa aataaatgca actaccacaa agacttatgc 120

taccagaacc atatttttct tgaaaagtga tggaactttg acgccattgg ccattgagtt 180

aagtaagccg catcctcaag gtgaagaata tggtcctgtt agcgaagtct acgtgccttc 240

gagcgaagga gtt 253

<210> 162

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700958786H1

<400> 162

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gctggtttga atccaaatgt catcaagatt attgaggagt tcccactaag tagcaagcta 120  
gatactcaag cctatggtga tcatacctgt ataataacaa aagagcattt ggagcctaac 180  
ttaggtggtc tcaactgtga gcaggctatc caaaacaaga agttgttcat cttagatcac 240

<210> 163  
<211> 245  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953684H1  
<400> 163

gaagaatgta agaggggatg gaactggtga gcgcaaggaa tgggatagga tctatgatta 60  
tgatgtctac aatgacttgg gcgatccaga taagggtgaa agtatgcac gccccgttct 120  
tggaggttct gccttacctt accctcgag aggaagaacc ggaagaggaa aaactagaaa 180  
agatcccaac agtgagaagc ccagtgattt tgtttacctt ccgagagatg aagcatttgg 240  
tcact 245

<210> 164  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908450H1  
<400> 164

cttcaagaga ttgaacaaaa gcttatacag aagaacaagg acgagacgtt gagaaaccgc 60  
agtgggccgg ctaaaatgcc ttacactttg ctctatcctt ctagtgagga gggattgact 120  
ttcagaggaa ttccaacag tatctccatc taggggctct atgggttgtg cagtactttc 180  
cctgggttttc aataaaagtg aatagaagga atatgattcc ttcattacc tatgtatggt 240  
taagttatgt atttgggg 258

<210> 165  
<211> 268  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909337H1



<400> 165

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gcaagctagc aaagatgttt ggcatcttag gaggcaataa ggggcacaag atcaagggtg 120  
ctgtggtgtt gatgagcaaa atgtgttgga cttcaacgaa atagtgtcca ctactcaggg 180  
tggttttggtt ggtgctgcca ccggcatctt cgggtgtgcc accggtattg ttggtggagt 240  
tgtcgatggt gctactgcca tcttcagt 268

<210> 166

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700955588H1

<400> 166

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ggtcacaaga taaaggggaa cttggtgatt atgcgaaaga atgtgttgga tatcaacagc 120  
attaccagtg ttaaggggtg catcggaacc ggcattaaca tcattggagg agtcgtcgac 180  
accgttactg ctttggcgtc ccacatctcc atccagctca ttagtgccac caaggctgat 240  
ggacatggg 249

<210> 167

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700963486H1

<400> 167

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taccagtgtt aaggggtgtc tcggaaccgg cattaacatc attggaggag tcgtcgacac 180  
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acatggga 248

<210> 168

<211> 247  
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 <213> Glycine max  
  
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 <400> 168  
  
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 tcgccttggtg atagatgact acccttatgc tgttgatgga ctagagatat ggagtgttat 180  
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 agactca 247

<210> 169  
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 <223> Clone ID: 700962101H1  
  
 <400> 169  
  
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 taaggacacc gccaccgatt tcttgggcaa aggcttggac gcattaggtc atgcagttga 180  
 tgctctcact gccttcgctg gccatagcat ctcttgcag cttatcagtg ctactcagac 240  
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 <223> Clone ID: 700954911H1  
  
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 aaggacaccg ccaccgattt cttgggcaaa ggcttggacg cattaggtca tgcagttgat 180

gctctcactg ccttcgctgg ccatagcatc tccttcgagc ttatcagtgc tactcagact 240  
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<210> 171  
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<223> Clone ID: 700954746H1

<400> 171

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 aaggacaccg ccaccgattt cttgggcaaa ggcttggacg cattaggtca tgcagttgat 180  
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<210> 172  
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<223> Clone ID: 700953716H1

<400> 172

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 cccagacaag agcaatgac tagctcgtcc tgttcttggg ggggtctagt cctatccata 180  
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 atccagcagc acct 254

<210> 173  
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 <213> Glycine max

<223> Clone ID: 700957539H1

<400> 173

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 <213> Glycine max

<223> Clone ID: 700955952H1

<400> 174

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 tgttcttcag gaggccaggg tttttaatga ccctcaacta gatgctagga gatgttcaca 180  
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 cacagaagtt ttctttgctg tg 262

<210> 175  
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 <213> Glycine max

<223> Clone ID: 700909030H1

<400> 175

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 aaatgaatgt tgtgaaagat tggcttatta tgggatgagc acaaactgg tgctttattt 180  
 taagaagcgg ctacatcagc atagtgtctat tgcttccaag aatgtctcta attggagtgg 240  
 aacttgctat a 251

<210> 176  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954644H1

<400> 176

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 ggacatgtgt agctggcttc cttcaatttt tgactttgta tgggtactagt attgcttatg 180  
 tactaaccac agcaactagt ctgagtgcga ttctgagatc aaattgttat cacaagaaag 240  
 ggcatgaa 248

<210> 177  
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 <213> Glycine max

<223> Clone ID: 700954213H1

<400> 177

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 cccctgggtt ggatcggggg tgtgattggt ctaattcttg ctaccatggt gtcactctat 180  
 gcaaagtctc taattgctta tctccatgaa ttaggaggcc aaaggcacat taggtataga 240  
 gatcttgctg ga 252

<210> 178  
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 <212> DNA  
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<223> Clone ID: 700958295H1

<400> 178

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 aaagctgttt ctttttctcg atcctactgc ttctcttttt agcaactggt gctctgctct 180  
 acgttaagga caagcaagt gaagcaattc ctctggatga tgccactcaa cctcttggt 240  
 tctttcagct 250

<210> 179  
 <211> 243  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700959873H1

<400> 179

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atcactccca tgcctcatcat ttcatgtatc atggctgccca ccggaggtct catgttcggc 180  
tacgacgtcg gcgtttcagg tgggtgtgacg tctatgcccc cgttcttgaa gaagtttttt 240  
ccg 243

<210> 180

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700956705H1

<400> 180

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tcatgattgc tatgaagttc ggggtgagtg gcgaaggctc gttttcctcc ggagaagcca 180  
accttatttt gttctttata tgtgcatttg ttgctgcatt tgcattggtct tgggggtccac 240  
tagggtggtt g 251

<210> 181

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700952292H1

<400> 181

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atctacaatt acttccccta tccatacttc gtatcgggta tccatttatt cgtgggtgtg 120  
gggtactgtt tgggtgagctg ggccgtggga ctctctaaac gtgctcctat agactccaac 180  
ctactgaagt tgctcattcc ggtgggtgtg tgccatgcat taggccacgt gaccagcaat 240

gt

242

<210> 182  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700964094H1

<400> 182

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cggcaaagga ctgagcaact gggataacta cactcacgga ccaggtagaa gtgtaataat 180  
ggatggaagc aatggggata tcgcgattga tcattatcat cgctacctgg aggatataga 240  
tttaatggaa actttgggag t 261

<210> 183  
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<213> Glycine max

<223> Clone ID: 700956022H1

<400> 183

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gaagggtgtt ggaactcctt agccaaagct tctggtctca aacgaacggg aaagagttgt 180  
cgactccgtt ggctaaacta ccttcgtcct gatggttagaa gaggaaacat tacacccgag 240  
gaacagcttt tga 253

<210> 184  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955479H1

<400> 184

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agtgagaaag gggccatgga caatggaaga agacttaatc ttgatcacct atattgccaa 120  
 tcacggggaa gggtttggaa ctctttggcc aaggctgctg gacttaaacg taccggaaag 180  
 agttgccggc tccggtggct aaactacctc cgtcctgatg ttagaagagg gaatattaca 240  
 cccgaggaac agcttttgat c 261

<210> 185  
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 <212> DNA  
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<223> Clone ID: 700952210H1

<400> 185

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 acaaaaccgt ttatctgggt gataagttga ccgcgataa ccgagttttc cacaaagctt 180  
 gcttcagatg ccattactgc aaaggaaccc tcaagctgag caactacaac tcttttgagg 240  
 gagttcttta ttgt 254

<210> 186  
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 <212> DNA  
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<223> Clone ID: 700959049H1

<400> 186

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 caagggttag ttgaggcctt gtgtttggaa acgtacggtg tcgttttgga gttgggaaaa 180  
 caaataattc tgagagatgg caaccacgaa cccttttgat ttgttgggtg acgacgtga 240  
 ggacccttct cagctcatcg 260

<210> 187  
 <211> 247  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700905665H1

<400> 187

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agaacaaaaa agagagtttg agaaatgggg aggggtaaga ttgagatcaa gaggatagag 120  
aactcaagca acaggcaagt tacatactca aagagaaaga atgggatcct aaagaaggcc 180  
aaggaaatca ctgttctatg tgatgctcaa gtttcgctta tcatctttgc tgcacttgga 240  
aagatgc 247

<210> 188

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700956070H1

<400> 188

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aacgagctca ccgttctatg cgatgccaaag gtttctatta ttatgttctc cagcactggg 180  
aaactccagc agtacatcag cccctccacc tcaacaaagc agttcttcga tcagtaccag 240  
atgactctag g 251

<210> 189

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700954715H1

<400> 189

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aactcttgat aaatgcacag catgtgacaa gactgtctat gtgggtgact tgttaactct 180  
tgaaggaatt ccttaccata aaaactgctt caagtgcagt cactgcaagg gatgtcttac 240  
gatgtgcaca tactcct 257

<210> 190  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955837H1  
  
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 tgaagaagag agtgagctga gaagagggtc ttggactctt gaagaagaca gcttactcat 180  
 acactatatt gctcgtcatg gtgaaggccg ttggaatatg ttagccaaaa gtgcaggatt 240  
 gaagagg 247

<210> 191  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958205H1  
  
 <400> 191  
  
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 tcaacatcag ggttggggca gcaggggacat gaaggagggg agaagaagtg tctgaattct 180  
 gagctatggc atgcatgtgc gggggccctg gtgtccctac caactgcagg gactcgtgtg 240  
 gtttacttcc ctcagggtca 260

<210> 192  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700963673H1  
  
 <400> 192  
  
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 atctctaaag caagtgaggt ccacaaaggt aataatggat aatttataca taaaaaatgt 120

gttaagtttt tggcaaatta atatatactt aagcttatta atgtagttct tgatcagtag 180  
 ttgcagcagc ctagcgtaat ttctctatatt gatttaagca tctttccggt tttccgtaca 240  
 atttgttttt gccaatacta tggccgatgc aacattagaa t 281

<210> 193  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954358H1

<400> 193

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 caatcaccct tgaggtggag tcaagcgaca ccattgacaa tgtcaaagcc aagattcagg 180  
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 atggccgtac cctcgccgat ta 262

<210> 194  
 <211> 257  
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 <213> Glycine max

<223> Clone ID: 700962820H1

<400> 194

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 ctccggatca gcagaggttg atcttcgccg ggaaacagct ggaggatggc cgtaccctcg 180  
 ccgattacaa catcAAAAA gagtcaacat tgcattttgt tttgaggctt cgtggtggta 240  
 ttattgagcc atctttg 257

<210> 195  
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 <213> Glycine max

<223> Clone ID: 700905635H1

<400> 195

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aaaatacaga gcttaagctc cgtctgcaag ccatggagca acaagcacag cttcgcgatg 180  
ctcttaatga agcattgaag aaggaagttg agagacttaa ggttgctacc ggtgagggga 240  
tgagccacac tg 252

<210> 196

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960533H1

<400> 196

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acttgtncaa aaaattgnaa ggaacttctg caaatacagg ttccaaagca ngagaaagnn 120  
gaaaggcagg ctcagggttca ggcaatgatg gcatatccgc aaagtgcngg aaagtgggtc 180  
anagggttca tcaaagtcta gtgatganaa tactaaccaa caggaatnag ctgcaaaaaa 240  
gaanggaant ttganctgat 260

<210> 197

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700907319H1

<400> 197

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atgttgagcg gactcgacga ggaaggggtgt gttgaagaac cggggcatca atctgagaag 180  
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aagcttgaac ctgagaggaa ggtcaagctt gccc 274

<210> 198  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957315H1  
  
 <400> 198  
  
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 <223> Clone ID: 700960290H1  
  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700906271H1  
  
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 catcctcttt gaggaaactc tctaccagag cacagctgca ggcaagccct ttgtggaagt 180

cttgaaggag gctggtgtgc ttcttggcat caagggtgac aagggcacag ttgagcttgc 240  
 tggcactaat ggagaaac 258

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 <213> Glycine max

<223> Clone ID: 700958213H1

<400> 201

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 tattcttgct gctgatgagt caacagggac aattggcaag cgtttggcca gcatcagtgt 180  
 agagaacatt gaatccaaca ggcgagctct tagggagctg cttttcactg ctcttggtgt 240  
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<210> 202  
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 <213> Glycine max

<223> Clone ID: 700965253H1

<400> 202

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 gtgtagagaa cattgaatcc aacagggcag ctcttaggga gctgcttttc actgctcctg 180  
 gtgtttcttca atatctcagt ggtgtcatcc tctttgagga aaccctctac cagagcacag 240  
 ctgc 244

<210> 203  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953343H1

<400> 203

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tgggtgaagg gacaaaccct tcgccaacct tctgcatcag ttgtgagatg caaccccacc 180  
accccatcag gcctcaccat cagagctggt tcctatgctg agagctcggt aagaccgcga 240  
aaacagtggc ttcaccaggg a 261

<210> 204  
<211> 234  
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<213> Glycine max

<223> Clone ID: 700956353H1

<400> 204

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gggtgaaggg acaaaccctt cgccaacctt ctgcatcagt ttgtgagatgc aaccccacca 180  
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<210> 205  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953987H1

<400> 205

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tctgtcacgg agaactgttg ctgctcacc cttggcacgac ttagagattg ggccaggagc 180  
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gg 242

<210> 206  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700904972H1

<400> 206

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ccaagagatt gctggaagca aggacactgt tggacagtat gagagtcaca ctgccttcac 180  
ccttcagga ctttaccgtg ttgttcacgg tattgatcca ttgatccaa agttcaacat 240  
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<210> 207

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 700764612H1

<400> 207

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acaaacttca ttagtggttt tggacaatac cctatggagg aaattggtag gtttgatgct 120  
gagcaattca caccaagggt ttcagg 146

<210> 208

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700764634H1

<400> 208

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ggtagcatgg caatgccatg cgtacgatat gttccctctc cgaatgaaca ctggctatgg 120  
tgcccgtact ccggaggtga aatgcgcaa 149

<210> 209

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700764639H1



<400> 209

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actgatgctc aataaaaaga actagaggca tggattgaaa atgactttga tcatgtgtaa 120  
gaactttatt taaaatgggt ta 142

<210> 210

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700902915H1

<400> 210

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ggtggatcga aggtgtcttc caagattgga gttattgaat ccttgttgga gaaagttaat 120  
gttctcttgc ttggtggagg aatgatcttt accttttaca aggctcaggg ttattcagtt 180  
gggtcatctc ttgtggagga agacaagctt agccttgcaa ctacacttct tgaaaaggcc 240  
aaggcta 247

<210> 211

<211> 51

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700902970H1

<400> 211

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<210> 212

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700902978H1

<400> 212

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cgccaacgag gttgccgaag aggctccggc gacggcttcg tgacgcggag tgcaagtctc 120  
 cgagcacggt ggaggaaatc gaagcgaaac tccacaacgc tgatcttcgc agacagaaat 180  
 actatgagaa actctcaaac aaggcacgtg ctaagccaag aagccccctca aggtgttc 238

<210> 213  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700902980H1  
 <400> 213

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 ctttatacctt tctatgtata aagaggctga agtttttggc cccattgcta attccattca 120  
 agtaaccgag ttcaccattc gcgatgcata catgctcaga attttcgagg acaaccaaac 180  
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 tg 242

<210> 214  
 <211> 84  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903020H1  
 <400> 214

ttcttcagtt agtccccca acctatacac tncaccacca cacaacatat cgagnanagn 60  
 gtnagnaggc tngnggcggg gngc 84

<210> 215  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903078H1  
 <400> 215

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angnagacga ntngcatnn antgcctnct aatagagcca ataagggatg gngcnnnncc 120  
tanactgaca gtgnnaacga cattatgggtg gtgtgggatg atccgtggca tgagngctgt 180  
gatgtggtan ccaagcattc agatacatnc ncangaatat tngaga 226

<210> 216  
<211> 99  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903101H1  
<400> 216

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tnttcccatt ncttactttg tccancanan nntaggagc 99

<210> 217  
<211> 61  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903132H1  
<400> 217

actttttctt tcattcattca tcgcctttca ccacacaaca tacaattnca aaagnnnnnn 60  
g 61

<210> 218  
<211> 266  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903166H1  
<400> 218

tgaggacaaa aatgaagatg actggattac aagatacttc tttactggag gaactatgcc 60  
ttcggcaaat ctacttcttt atttccaaga tgatgttact gtcaccaacc attggctagt 120  
aaatgggaaa cactacgcac agaccagtga agaatggctc aaaagaatgg accagagaat 180  
gactttcatc aagccaatta tgcaatcaac atacggcaag gactcagcta ccaagtggac 240

tgcttattgg agaacattct tcatag

266

<210> 219  
<211> 257  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903186H1  
  
<400> 219

ggcttccagc tgtattcatg gacttggcgg agaagctttt ctttgcagca tttctcattc 60  
tttccgtggc cattgatgga atgcaggcag acactatggt cactggcact gtcttctgtg 120  
accaatgcaa agacggacag agatcccttt ttgattatcc tgттаатggt gcaaaagtaa 180  
ttctgtcctg tgctgacagt aatgggcaaa ttacaatgtc aagagaagaa acaacaaact 240  
ggtttgaag ctataca 257

<210> 220  
<211> 61  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903204H1  
  
<400> 220

ctgnaggaga antcagcatc gntganaagt cntgaaccgt tgcagaanaa gctgancatg 60  
t 61

<210> 221  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903220H1  
  
<400> 221

atgggcatca gcagcaggag caggaaccgc aatcacctca ggagggacaa tgatctgttt 60  
atgttgtaat ggttcatggc ttgctctttg aggatgtttt aacggatctt tcagctggca 120  
agtaatcgtg tttgtaggag aagccttggc tggtttattt gctgcatttg tgcaggctct 180  
gaggaagatg gcttcatttt tataatttta tttagttttc tttttcctgg catattagga 240

tttttttagtg tgtaaacctt

260

<210> 222  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903222H1

<400> 222

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caagcatccc agatgggtgg atgggggttg atattggtcc tgattccatc aagacatttg 120  
gtgaagcatt ggatacgact cagaccatta tttggaatgg accaatgggt gtttttgagt 180  
ttgataattt tgccacagga acagaggcta tagccaagaa actggcagag ctgagtggga 240  
agggagtgac aaccatca 258

<210> 223  
<211> 193  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903224H1

<400> 223

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tctacatctt agtccttgat attaaagtgt catttatttt agaagctaag attttagaaa 120  
tcgtgtatta gttcctgaat ttttaaaaca ccaagtgaat gttaaacatt gtatgagtga 180  
ctttcgttct ttt 193

<210> 224  
<211> 85  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903247H1

<400> 224

tgcttggtga atgcagctgc tgttttgatg ctgacttgct ccaacacgaa aacttttttt 60  
taccaaccat cacattgctt acttt 85

<210> 225  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903274H1

<400> 225

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 aactcactga tcaatcattg aagctttttg actttttacc tcaagcaatt caagaacaat 120  
 tgatgcttga aagagatcca catggaaatg ttcaggttgc caagatagaa acagagaaaa 180  
 tgcttattca aatggttgaa actgagttgg agaagagaaa gcaagaaggc aaatacaaag 240  
 gcgaatttaa ag 252

<210> 226  
 <211> 202  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903289H1

<400> 226

cgtcacgcct tgtcncttan ccctcctcct cgtcgcctcn gnnacnaccg ccgctatggc 60  
 gtggengctt tccgtangcc tattnnatnc tgatccgna gntggtggcc agangttggn 120  
 tanncg tang agtaggacaa ngctgcggaa cgccgagcac cactggcgac gagcgtcaag 180  
 tnnaagttcg gncaagtacc na 202

<210> 227  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903312H1

<400> 227

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 cgaggccagg aagatgccat gtaaccacgt ttaccactca gattgtatcg ttccatgggt 120

agttctgcat aactcgtgtc ctgtgtgccg tgttgagctg ccaccgaaag aacatactag 180  
 ttctcg 186

<210> 228  
 <211> 182  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903337H1  
 <400> 228

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 cattttcctc cggattatcc attcaagcca cccaagggtg catttaggac taaagttttc 120  
 cacccaaata tcaacagcaa tggtagtatt tgtcttgata tcttaaagga gcagtggagc 180  
 cc 182

<210> 229  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903371H1  
 <400> 229

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 gggcttggtt gttgtgcaag agagaatcta agttctcctg ctgacaacag ggcgtccttt 120  
 gaatcatcgt gttagatttt taaagaatag ttagatgtag tactttgttg ttgtaag 177

<210> 230  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903406H1  
 <400> 230

gtagatcgct gtgagaaaca caacaaacgc tgccgcaacg caaccgtttc gaaagcactc 60  
 actgactcag tttgtttctc gtttcgtcga acccttgga ggcacaatgg gagggaggaa 120  
 gaagaagttc atcgacaaga agaactctgc tactttccaa ctcacgctc gcgacacctc 180

cgacccttcc ttctcccaat ccgaccgtgt cttcgtccgc gtcgacaaca accccgtttc 240  
 cttccccgtc gccgacgact c 261

<210> 231  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903407H1  
 <400> 231

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 actcaactag acatgttcag ggaatacata ggaaagctga aaggaattgt tggagagagc 120  
 agaacaaact acatcctagc caacagtctt tatcttgagg tggcaggcag tgacgacatt 180  
 gccaacacct attttggtgc tcacgccaga atattacagt atgacattcc ttcttacacc 240  
 gaccttatgg tcaactcggc 260

<210> 232  
 <211> 196  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903409H1  
 <400> 232

gtgatgctta atcttctgtg atcactttca agtttgagtt agcatgcaca gactaactac 60  
 ccgacaaaac tgcgtcaact gcctgggatg tgttgaatgt aagattcctt tgccaaacta 120  
 aacataaaat tccaactcat gggtacaatg accaagaaga agctaattgg atttttttta 180  
 ggtacaatg ctaatt 196

<210> 233  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903413H1  
 <400> 233

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700903407H1



ttcaaaaatg gggaagatca tcagctgcat caacttctgt gtcaattggt gatgccataa 120  
 gatcttttagt aactcctact cccgaggggtg attgggtttc ttctgggtgta tatagcaatg 180  
 gaaatcctta tggaatagct gaaggatttg ttttcagtat gccatgccga tcaaaggggtg 240  
 atggtgatta tgaacttgtc 260

<210> 234  
 <211> 258  
 <212> DNA  
 <213> Glycine max.

<223> Clone ID: 700903423H1

<400> 234

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 tacgctgagg gaggtagttg atgacacaga ggattacatc aacatcatgc tggatgacaa 120  
 acagaacat ctcctccaaa tgggagtcac gttgaccaca gcaactctgg tagtgagtgc 180  
 ctttggttgt gtggccggta tttttggcat gaatattcac attgagctat ttgatgacca 240  
 gaaagctggg atgacaca 258

<210> 235  
 <211> 258  
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 <213> Glycine max

<223> Clone ID: 700903424H1

<400> 235

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 cctcctccag cacctttgtt cgaccagag gagctcacac agtggtcctt ctatagagcc 180  
 ctcatcgctg agttcatagc aacccttctc ttcttttatg tcactgtgct caccattatt 240  
 ggctacaaaa ggcagact 258

<210> 236  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903438H1

<400> 236

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tttttattgc ggtcagccga agagcttgaa ccttttcttg acaagattac tgacgaaatg 120  
ttgaaagtta ctttacggga aggagttgga tacttgcatg agggattgaa cagtcttgat 180  
catgacattg tgactcagct atttgaagct ggctggatac aagtctgtgt tttaaacagt 240  
tccatgtgtt gggga 255

<210> 237

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700903442H1

<400> 237

cttcagagaa gaaactatcg aacccaatga gggaaataaa ggtgcagaaa ctcgtcctca 60  
atatctccgt tggtagagagt ggagatcgtc tcaccagagc cgccaagggtg ttggaacagc 120  
ttagtggcca aaccccagtg ttttccaaag caaggtacac tggtcgggtcc tttgggatta 180  
gaagaaatga gaagattgca tgttatgtca ctgttagagg tgataaggct atgcaacttt 240  
tggagagtgg tttta 254

<210> 238

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903463H1

<400> 238

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tgtattgaga gatatgnngg aggggtaaga ttgagatcaa aaggnttgag aactcaagca 120  
acaggcaagt tacctactca aagaggaaga atgggatcct taagaaggca aaggaaatta 180  
gtgttctatg tgatgctcaa gtttccctta tcatctttgg tgtctctggg aagatgcatg 240  
agtacntcag cccctccact 260

<210> 239  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903486H1

<400> 239

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gtagctgcag ggaagcagcc agatcttgag aagaatgtgg gtgttgaggagg gtatgggttat 120  
ccagcttttag tggcccttaa ccttaagaaa gctgtttatg ctccctctcaa gagtgctttt 180  
gaacttgacc aaattataga atttgtgaaa gaagctggac gtggaggcaa agggaatttg 240  
cccattgaa 249

<210> 240  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903509H1

<400> 240

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tccaagcttt gacagaaatc cgacatcgta acattgtaaa gttacatggg ttttgttcac 120  
attcacaata ctcatTTTgg tgtgtgagtt tctggagatg ggcgacgtca agaagatttt 180  
gaaggatgat gaacaagcaa ttgcgtttga ttggaataaa aggggtggatg ttgttaaggg 240  
tgtagcaaat gctttatgct a 261

<210> 241  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903515H1

<400> 241

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gactatctta ctctttctgc aattatagat ggaactgtgc tttgtgttca tgggtggcctt 120

tctccagaca ttcgatcata gatcagataa gggtcattga gaggaactgt gaaattcctc 180  
 atgagggacc attttgtgat ctgatgtgga gtgatcctga agatatcgaa acatgggcag 240  
 tcagtcctcg tggagctggg t 261

<210> 242  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903519H1  
 <400> 242

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 tttttgtata acacatcagg atcaggtttg catttaattc gatttaattt atttcttatt 120  
 tagtgcagag accaaatgaa ttaatcttgt aaattattta gtgctagagt gaagttgaga 180  
 cttttgaatg acacatgttg agtactttgt ttttgtctct agtatcttct actcgagttg 240  
 agtcatata cagaagaact 260

<210> 243  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903533H1  
 <400> 243

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 tggagcttgg cttagagcct acactaccct atttgagccc gctactagtt ggagagaagc 120  
 tcttaattgg tgccaatttg cctccgctgg aattggcatt ctcaatgata ctggaattca 180  
 atttttgaac attatccaca ttcagaagca actgaagcta ttccacgagt atcaggaaaag 240  
 gttaagttaa cacattgggtg cg 262

<210> 244  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903534H1

<400> 244

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cagcttttga ttagatgcac atgcacctat ttgtgattcc atggcatctc tcatgaatct 120  
tggagagaaa aaggccttaa tggcacaaga aatgggtttc atcatggctt tgaggatcaa 180  
agactccccg ttccttgcaa aagtggggaa aatgggtgat actcttcaac tacatcctcc 240  
attacaattt caagtcctaa 260

<210> 245

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700903557H1

<400> 245

aaaaaaccca aaaaacaaaa aataccataa aatttttcag cttctccgcc gccgtacagc 60  
caccacctcc gtctggatct cggcgaggacc tactatccct actactctat ttacacggaa 120  
gaacaaaaaa atatcccaca aaaaaaattc caaaagcggg tcggttaggg tttagttttt 180  
ttttatatta ttctgtgtat ctaatttttc atcagtaata ttatttttga ggcggcgaga 240  
tggcgcgagat tcag 254

<210> 246

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903571H1

<400> 246

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tgctgctaga agatggaaac tagtgaatgg catatcgagc gaagatctag ctctggctct 120  
gaatccccct agcaagagag gcaggaaatg tgcctgaaac tgggtcactc tctattgtgg 180  
tgcttggtgc ttctggtgat cttgctaaga agaagacatt tctgcaactt ttccacctat 240  
acctgngnta c 251

<210> 247  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903584H1  
  
 <400> 247  
  
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 taatactcat tttgattcta tcctctgtct tgttccatct tcaagatgaa agaacaaatc 120  
 caccaggcct aaaccctcc caattattgg taaccttcac atgctgggga aactcccaca 180  
 tcgttcctt caagcccttg ccaaaaatta tggaccata atgttcataa agttgggaca 240  
 agtcccaacc 250

<210> 248  
 <211> 215  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903607H1  
  
 <400> 248  
  
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 ggtgaggggc ctaatgatgg acaaggggaa atggagaagg cacgtgactg gattctaggg 120  
 catggtggtg ctacttatat aacgtcatgg gggaagatgt ggctttcagt acttggagtg 180  
 tatgaatggt ctggaaataa tcccctgccc cctga 215

<210> 249  
 <211> 223  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903609H1  
  
 <400> 249  
  
 cgctattctc ttcattccat ggctttgccc aaccagcaaa ccgtggatta ccctagtttc 60  
 aaactcgta tcgtcggcga tgggtggcaca ggaaagacaa cctttgtgaa aaggcatctc 120  
 accggagaat tcgagaagaa atatgagcca accatcgggtg tggaggttca cccattggat 180

tttttcacaa actgtggaag gattcgattt tactgctggg ata

223

<210> 250

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700903617H1

<400> 250

caaacacaaa cttccttatt ttcttccaaa ttcaccacc cagaaagcac aaaagctaca 60  
cacatatcca atcttttctt ttcttctatt tcgtccacca gattcatata caattcacgt 120  
atacgtacaa ttattaaaag gaagagatgg caggagaatc atacgaggaa gccatcacga 180  
gtctgaccaa gcttctcagt gagaaagctg agctcgggtg cgttgccgcc 230

<210> 251

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700903679H1

<400> 251

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aagatgttcg gaagggcacc gaagaaaagc gacagcacca ggtactacga aatcctcggc 120  
gtttcgaaga acgcttcgcc ggatgattta aagaaggctt acaagaaagc cgccattaag 180  
aaccaccctg acaaaggcgg tgatcctgag aagttcaaag agcttgctca agcctatg 238

<210> 252

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903706H1

<400> 252

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gggcaaggat cttgttgtgt ctgtcatgtc tgctatgggt gaggaacaga tttgtgccct 180

caaggatatt gggccaaaga actagctttt ggtgcttggt gcttggtatt tctattttct 240  
 atttaagca 249

<210> 253  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903723H1

<400> 253

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 tctctgaagc tctagatcat tctgttcagg atgacctaata tactggaaaa ggggtctctc 180  
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 aaagggg 247

<210> 254  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903752H1

<400> 254

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 agggttactg atcacgtttc tagtgggagc tcggaacagc taaagcagag caacgtttcc 180  
 attcttcatt tcttcaaagt taaggatacc ggacaggccg gtgtgtcttc ttccgaagag 240  
 gcaa 244

<210> 255  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903768H1

<400> 255



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 acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180  
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 ag 242

<210> 256  
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 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903770H1

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<210> 257  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903774H1

<400> 257  
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 ctgtgaagat tctcgcatat acgtgcttac cttcatatt atgttaacaa ttggtcagt 180  
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<210> 258  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903855H1

<400> 258  
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agtggaata gtaatactcc ctttttgttt gtttcgcctt caattgtgaa tcacaaacat 120  
 agggatattg tatttgtggc aaaatgcgtt aatttcgtct tcaattaaac taaacgcgag 180  
 ggtggatttt ttctgtgctc ttggaacttt ttatttattt tgtgcctcta gacttaatat 240  
 tgtatattta ttt 253

<210> 259  
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 <400> 259

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 agtcgtcttc atgtggacta tttcatattg cttaccctag cgcacctgaa atgtcaaaga 180  
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 ctgctgcttc 250

<210> 260  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903915H1  
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 atgagtacaa agaagaggac ttgaggaaca agagtcctct tctcctccaa atgaacccgg 180  
 ttcacaagaa gattccgggt ctcattccaca atggcaaacc catttgtgaa tccttcattg 240  
 ctgttcagta ca 252

<210> 261  
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 <213> Glycine max

<223> Clone ID: 700903931H1

<400> 261

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taatgctggt atggcttttg aaaatgggtc caaaaaggag cttcagaaag ttggtctaaa 180  
aatctccaag agctttcctc ttactaggac tactctggca tctatggagt ctttgtccct 240  
gccagtgggt ca 252

<210> 262

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903946H1

<400> 262

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ttagtgaact ggattctatt cgggtggccaa attcccattg gcgctcagtc aagggtgggt 180  
gggatgaatc cacagcagga gagaggcaac ctcgagtgtc tttatgggaa attgagccat 240  
taac 244

<210> 263

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700903985H1

<400> 263

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aattccctcc agagatggta ggtttgccac ttgtagtctt gaacatgacc agaaacaatt 180  
tttctgggtga acttccaagt gatattggca acatgaagt tctacaggat ctggat 236

<210> 264  
 <211> 254  
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 <213> Glycine max

<223> Clone ID: 700904019H1

<400> 264

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 gtgatattct tcagaatcct ggacataact ttatcttgtc cgtttttcga cccggcgggc 180  
 gagtagaatt cgcgcgcact ggaaacgaaa cttgccctct cactgtcgtg cagactctct 240  
 tcggggagggg cttt 254

<210> 265  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904159H1

<400> 265

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 aacttccgtg attcagccac ctctgcagag ttggaagttc aggagaagat gcccttgctt 180  
 gagtggtttg ccaatgagta caaaaaattt ggatgctcct tggaatttgt gaccaacaaa 240  
 tctcaaga 248

<210> 266  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904162H1

<400> 266

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 tggcttcgca agactatcct gaaattacaa agtatgctgg tttagtttgt gcccaagctc 180

ataggcagga actcatccag gatcttttca aacaatggca agatccagtc agaggaacag 240  
tgactggtgg 250

<210> 267  
<211> 146  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700904183H1  
  
<400> 267

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cgcngttgca ccttanaatt gcgttgaggc ggaaattgac agtntccgct aatcncntct 120  
tgtctcnacg ttgtnttcac tncagg 146

<210> 268  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904190H1  
  
<400> 268

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atctcaagtc tacattcttg aacgtctatt ccgttctcaa atctgaactc ctccacgacc 120  
ccgccttcga gttctccgat gatgctcgcc attgggtcga ccggatgcta gactacaatg 180  
tgcttgagg aaagttgaac cggggactgt cagtcattga cagctacaga ttgttgaaag 240  
aagga 245

<210> 269  
<211> 272  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904208H1  
  
<400> 269

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gtctcagtgt taggggggtt attcattatt cataataact tggctttata gcattttccc 120  
 ttttgatata aaatgggaag gcaaccttgt tgtgacaaag ttgggttgaa gaaggggcca 180  
 tggactgcag aggaggataa gaagctcata agcttcatcc tcactaatgg ccaatgttgc 240  
 tggagagctg tccctaagct agcagggctt tt 272

<210> 270  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904217H1

<400> 270

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 aacatgtcga tgaacgctct atgtgttgcg ggacccctcc agattgtgat tggaaggcaa 180  
 ggacaggaaa tgtgtgctg gcaccttttg attggctctg cagtggatc tgtaagtcgg 240  
 tggagagaat gagagatata cacaaaactt gtgggga 277

<210> 271  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904219H1

<400> 271

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 atcaggtgga agtagtcgag gtaggaggca gaggcgcgga gaagacgtgg ttcaccctct 180  
 caaggtctct ttggaggacc tttatcttgg aacttccaag aagctctccc tctccagaaa 240  
 tgttatatgc tccaagtgca gtggcaaggg tt 272

<210> 272  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904223H1

<400> 272

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aaatggcagc agctctttct gagctggtat ctgggtccac caaccaata ataatacctc 120  
tggcgcaacg ccgtgcggat ggagactctg atgcccctca tctgctgga aaaacagcac 180  
ttgatcgaat agcagaggcc atcagaagga acccactttc tgtcatcgtg cttgaggaca 240  
ttgatgaagc caacattctt cttcgtggga 270

<210> 273

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700904230H1

<400> 273

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cggttgatg gtatgatccg tgaggttggtg tctgtcaatc catttaagat tcacatcagt 180  
tacttgagtt ccaaaactga tagtgagttt ggctcagtaa actggcttga ttcaggtttt 240  
accaaactct gtggaaattt cagggttttt aatt 274

<210> 274

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700904236H1

<400> 274

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atgagactga agcaagaaca ttttctaaag ctcaaggctg ggagactgat aatgttgagg 120  
aaatagcttt gaagatttct cagttgccaa aggcacgga aacacataaa aggattacgg 180  
ttatcaccca aggtgcagat cctgtttgctg ttgccgagga tggaaaagtg aaaatttacc 240  
ccgtgatacc gttacctaaa gagaaatt 268

<210> 275  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904238H1

<400> 275

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 acggttcggg gagattgagg aagggccggt ggggcttgac aaggccaccg gaaaacctaa 180  
 ggggttctgt ttgtttgttt acaggaatcc ggagagtgcg aggagagcgt tggaagagcc 240  
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<210> 276  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904252H1

<400> 276

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 tctgtatctc aagaagcaag gagtgagacc agcagtgaag gtcgaagtcc tcatgagagc 180  
 cctatgaaac aaagaagaga taagttgtcc aatgaaataa acacgaatcc tctgaagaaa 240  
 caaagaaccc aaagacctag ccgtga 266

<210> 277  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904254H1

<400> 277

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gagtcactcg agtggatctt ggtaactcta acctatctgg acatttggtta cctgaacttg 180  
 ggaagctgga gcatctacag tatcttgagt tgtacaaaaa caacattcaa ggaactattc 240  
 ctccggaact tggaagcctg aagag 265

<210> 278  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904262H1

<400> 278

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 ggttggtgaa gtttcgactt ccaaaactgg aaagcacggt cacgccaagt gccactttgt 180  
 tggaattgat attttctactg ccaagaaact tgaggatatt gtgccctctt ctcacaactg 240  
 tgatgttcct catgtgaatc gtactgatta 270

<210> 279  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904264H1

<400> 279

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 aaatgccttt tgcattgttct tgcttaatcc gcaagcgatc tggagattct cctcagcgca 180  
 atgtggctct aagacgcaga gtaaatggaa caattcttcc ccaaatacaga gcccagaatc 240  
 ttccagatta tgttcacaaa tccgagttt 269

<210> 280  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904269H1

<400> 280

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tgagagagta tgttactgcg caaagaacaa caaactaatt aggtactgac catttccgtc 120  
tatatataag gccataaacc caacacgttc tataaacata tagtgactaa cctcccactg 180  
aagagtaatt ggtggattcc agcaatggcc gtggttcatg gcagttgggt caagcttgat 240  
caaagaggag aagggcaagg agcg 264

<210> 281

<211> 266

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700904279H1

<400> 281

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gtgatgggga aggtcgcggt gggagctgcc gttgtctgcg ccgccgccgt atgcgctgcg 120  
gcggcgctgg tgggtgcgcca ccgcatgatt agttcccga agtggagtcg cgccatggcg 180  
atactgaagg agtttgagga gaagtgtggc accccaattg tgaagctaag acaagcggct 240  
gangccatgg atgtnagatn cacgcg 266

<210> 282

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700904304H1

<400> 282

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gcagattttc acgaggcggt tttcttgtgt cttgaaaaac tgtgtctgtg actgagtttt 120  
tctttggtag gtttcttcac ttcaccgttc ccacttgcac tattattatt caaagacccc 180  
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aaggggttgt ttgggata 258

<210> 283  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904320H1

<400> 283

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tgcggttga gaagatgtgg tgggtggact aaccaagtcc ttagaaaaaa ttggtctgga 180  
tatgcgtgtt gcagctctag ttaatgacac agttggaact gtggctagag ctagattcag 240  
caatcaggat gtca 254

<210> 284  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904321H1

<400> 284

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aaatattccc caaggccttc cccaatgatt acaaaagcat tgagggttctt gaggggtgatg 180  
gcaaatacacc tgggttctatc cgccacataa gttatgggtga aggttcacca cttgtgaagt 240  
catcctttga gaaca 255

<210> 285  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904337H1

<400> 285

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gacaccaaag acagcagaag tggtgtttga gggagatggg ggagggttact acacttgggtg 120  
gagttctaaa gtgccactgc tggccaagac caatgttggt gctggtcggt tagtgcttca 180

gcctcagggc ttgctattc ctcattattc agatatatcc aaagtaggtt atgtgcttca 240  
agggaacgat g 251

<210> 286  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904355H1  
  
<400> 286

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tggagagaaa tagtgacata cttttcgtac caaaaagag agaggggacta ttcaagggtg 120  
ccagacacgc cagaaggggtg gagatcgggtg actgaggaat acagcgacaa agtaatgggt 180  
ctagcttgca agctcatgga ggtgtgtgcc gaagcaatgg ggtagagaa agaggggttta 240  
agcaaagcat 250

<210> 287  
<211> 242  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904365H1  
  
<400> 287

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ctctcctcaa aattggtacc agaggaagtt ccactagctc tggctcaggc atatgagacc 180  
agagacaagc tcatggcatc acatccagag ctagcggaag aaggggctat tcagattgtg 240  
at 242

<210> 288  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904367H1  
  
<400> 288

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 acacctgtga ttcttccaac cttaatatct gataatttcc ttttggatcc caaactcctc 180  
 gaatccaaaa ttactgaaag atcaagactg cttattcttt gttctccatc taaccaacg 240  
 ggatctg 247

<210> 289  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904369H1

<400> 289

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 tacgacactg acggcgataa gtttcaatac ggtgtcaatt atttcgtgtt gccagtata 180  
 agaggaaatg gcggtggaat acaagtagca aaagcaggaa acgaaacttg ccctctgact 240  
 gtggt 245

<210> 290  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904376H1

<400> 290

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 gcagaagctt tgcaagtatt ttaagttgca atagctgtga gaaatgaacc actgtgcaag 180  
 atgttcaata taatacatatc gtgtgttcta tcagagagct gcttttgatc ctgttctact 240  
 acggtagat 249

<210> 291  
 <211> 248

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904377H1  
 <400> 291  
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 ctccctccag gacccctgg atggcctatt gttggaaacc tcttccaagt tgctcgttcc 180  
 gggaaacctt tctttgaata cgtgaacgat gtgagactca aatatggctc aatcttcacc 240  
 ctcaagat 248

<210> 292  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904378H1  
 <400> 292  
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 cctgggttttt cttcctcttg ttttcagctt ctatatgcaa aaggggggag accgaatgat 180  
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 <212> DNA  
 <213> Glycine max  
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 cacttatgct gactatggag gtggttggca aggtggatcat gccacatttt atgggtggagg 180  
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243

<210> 294  
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<212> DNA  
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<223> Clone ID: 700904384H1

<400> 294

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caccgcaatg gccaccgctg ccgagaaact ctccgctctc aaatccgccg tcgccggatt 180  
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<223> Clone ID: 700904385H1

<400> 295

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<223> Clone ID: 700904387H1

<400> 296

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<223> Clone ID: 700904394H1

<400> 297

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 tagtgaccaa gggaatgcat tggtgactcc atattatacc ccatatccga agcacttggt 180  
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<223> Clone ID: 700904421H1

<400> 298

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<223> Clone ID: 700904437H1

<400> 299

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ctgtgcctct acccttatat gatagggaca tagtgaaaga ccccaaaggg ctcatgcacg 180  
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<212> DNA

<213> Glycine max

<223> Clone ID: 700904453H1

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cctctgaaaa gctcagaatt tccatcactg gggctggtgg ttctattgcc tcacacattg 180  
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<210> 301

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700904458H1

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agctcaatct ggagggggcac gagcagcagc aaattatgta gccactgagt ccaagcaaatt 180  
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 <213> Glycine max

<223> Clone ID: 700904478H1

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 tcctgtatta tataattcaa ttaaacagat ttattattca agagaaaatc agcatttctt 180  
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<223> Clone ID: 700904480H1

<400> 303

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 ttgagattac atgggcaagt ttgaggtgta tgggtgagcc atcttttgca gagagatcac 180  
 tgatcaatca cagagattac ttaaccaatg gcgacatcat tacgtccaat gccgtcaatg 240  
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<223> Clone ID: 700904531H1

<400> 304

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ggacaatcat caattgaatt gtgcatacag aaacagttct gcagattatg gtgggtgggcc 180  
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 cactacaaca cagtctgcaa gt 262

<210> 305  
 <211> 167  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904537H1  
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<210> 307  
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 aggtganagt gttcgtgcaa cctcattacc tccataactt tgttcagtca acattcnng 180  
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<210> 308  
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 <223> Clone ID: 700904554H1  
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 aagaacaggc cacaatttct ggttggtgcc acgtcactca tgaggaccat ggtggggccc 180  
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<210> 309  
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 aattaggtat aataatagta taactaaagc aaaaaaaaag acagtaatat ggnaaggggt 180  
 agggttcagc tgaagaggat agagaacaag atcaatcggc agtaactttc tccaaaagga 240  
 gagctggggt actcaa 257

<210> 310  
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<212> DNA  
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 gtagatctgg tcggtccaag accctaactc catcaaactc ggaagagctc ttttctgctg 180  
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 <223> Clone ID: 700904572H1  
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 ttggcgtgtc taccttcttg ctggtggcca tgggtggtggc agtgacagtt agcatcaacc 180  
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 cgatcaaggc cgtgaaa 257

<210> 312  
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 <212> DNA  
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 <223> Clone ID: 700904580H1  
 <400> 312  
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 tacgcttgaa attgaagctc gagatgtcat caaaattgtg cttcagtttt gcaaagagaa 180  
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tgacagcatt gaaac

255

<210> 313  
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<213> Glycine max  
  
<223> Clone ID: 700904615H1  
  
<400> 313

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ccccaaggaa gtggggcaaaa attgaagata gggatcagtg acagagagag ataacaaacg 180  
agttataatt ggttaagtag ctcaaaggat acattttgat cttctgctga catctgctgg 240  
gtacaaaatg aaagcagaca a 261

<210> 314  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904632H1  
  
<400> 314

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gggaagcact ggctgctgca gttcaggatc tgaggaaaac gaatgaactc gcatcgcaaa 180  
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<400> 315

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atcacgggga aggggtttgg aactctttgg ccaaggctgc tggacttaaa cgtaccggaa 180  
agagttgccg gctccggtgg ctaaactacc tccgtcctga tgtagaaga gggaatatta 240  
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<223> unsure at all n locations  
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tcacggggaa ggggtttgga actctttggc caaggctgct ggacttaaac gtaccggaaa 180  
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acccgaggaa c 251

<210> 317  
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<223> Clone ID: 700904813H1

<400> 317

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tacaagggta actcaaagct tgctgatggt gcctcagaga gcctccatgt tgaggactac 180  
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<210> 318  
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<212> DNA  
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 <223> Clone ID: 700904831H1  
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 tggatgatgct tccactggct ctagtagggg tttaaagtct ctggctagt cctacaatgg 180  
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<210> 319  
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 ctctgttact agaaatgttg gcctgaaatt atggatggaa aaaatgcaac tttctagtta 180  
 cttgaaatat tgggaaaatg aaggtgtact gcattcctca gtgcatatgg caatttgttt 240  
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<210> 320  
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 <223> Clone ID: 700904859H1  
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 cttgcagcaa agacggcatt ggctattagg tgtgatgctc ttggagatag ccaagataac 180  
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266

<210> 321

<211> 69

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<223> Clone ID: 700904896H1

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<210> 322

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<212> DNA

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<223> Clone ID: 700904908H1

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catattgcga tgttgtagacc tggatatata taaccagcca agaggccttg aagatcctga 120

acttcttgcg agagagacag tgttcagtgt aagtgaata gaagcactct acgagctctt 180

caaaaagatt agcagtgcgt taattgacga tgggttgatt aacaaggaag agtttcagtt 240

ggctttgttc aa 252

<210> 323

<211> 253

<212> DNA

<213> Glycine max

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<223> Clone ID: 700904909H1

<400> 323

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tgctcgtaca gcggatgagt cgctatctcc gccttcagct tccacacaac atacgantcc 180

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nanngtgcnc att 253

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<223> Clone ID: 700904912H1

<400> 324

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cgtttaacaa ccattttgat gggatggata cagtcttttg ttttattccc atgtacaaat 180  
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<223> Clone ID: 700904914H1

<400> 325

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cagcagcacc cagtaccag ccctctgcgt ctcatccctc tccgtctacg cctccagcat 180  
ccaacaggac cctcaccaac tggttcagac agcactctcc ctctccctga accgcaccca 240  
agccaccaaa accttcg 257

<210> 326  
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<212> DNA  
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<223> Clone ID: 700904915H1

<400> 326

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atcaaccatg aaacttgggc tttcattttc ggtcttctag gcaacgtgat ctcctttatg 180  
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<210> 327  
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<223> Clone ID: 700904920H1

<400> 327

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gatagtcctt ctcttcatga gcagctatgg catctctcaa agaaatatgg tcctttattt 180  
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gtaatgaaag ac 252

<210> 328  
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<223> Clone ID: 700904921H1

<400> 328

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agaaggaagt tggtcaggac agaggagctc tcgttgagtt ctatgctcct tgggtgtggac 180  
actgcaaaaa gcttgctcca gaatatgaaa agcttggtag cagcttcaag aaagccaaat 240  
ctgttttaat cg 252

<210> 329  
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<213> Glycine max

<223> Clone ID: 700904926H1

<400> 329

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atatgaacct ggtaagcaag ttaggagtgat aatcgcaatt aaaaacactt gcaagtctca 180  
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<210> 330

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700904929H1

<400> 330

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tttgattacc atgtggccaa ttcttcatct ggtggcaata gaatccttgg caggccagtg 180  
aacaatagca ccataacata tctcaggctt ggaattgatg gcaacattag gttctacact 240  
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<210> 331

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700904930H1

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catactcctt cctcacttt ctccaggagg aaaatttcaa ccacagtga ggctacatct 180  
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<223> Clone ID: 700904937H1

<400> 332

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<223> Clone ID: 700904938H1

<400> 333

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aaagtgtact ctctccccc tccaattcta ctaggtgatg gcgatgatga cccttcaggc 180  
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<210> 334  
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<223> Clone ID: 700904940H1

<400> 334

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 <223> Clone ID: 700904944H1  
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<210> 337  
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<223> Clone ID: 700904946H1

<400> 337

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<210> 338

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700904948H1

<400> 338

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<210> 339

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700904954H1

<400> 339

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ccaccaact ccatacccaa gccccgcccc tcaccactc ccaagatcgc gtcttcaact 180  
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<223> Clone ID: 700904959H1

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<223> Clone ID: 700904960H1

<400> 341

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 aagaacgagc tg 252

<210> 342  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904980H1

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cagggacctg gaatacttga atgtgaagaa cagaacaagg ggcttcttcc aagagttgta 180  
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<223> Clone ID: 700904982H1

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cagtgagaga attctcaagc catctaaatg gttctcaaac aaatcactaa agcttagtct 180  
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<223> Clone ID: 700904986H1

<400> 344

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tcgtttgaag ggcttcgacc ttccgctgtt cagtttgctt ccacgggcag aattagaatt 180  
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<223> Clone ID: 700904987H1

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ccccaaggat gacccatcca aggcacccaa gctcactgca ttcttgggtt acaaggctgg 180  
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atgtgagcc 249

<210> 346  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700904988H1

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atgtctgaga gaccaatttg gtggtttggg catggcgtca gggagcccc aagttgaact 180  
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gcgaaaagg 248

<210> 347  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700904995H1

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tgaagaacat ctatctttca gtgaatgaca acttcagatg ccattgctcc atgatcatat 180  
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taagttggac aat 253

<210> 348

<211> 273  
 <212> DNA  
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 tccccgctcg cgtatcgcc cgtttctca aggccgaaa atacgccgag cgcgtcggcg 180  
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 <213> Glycine max  
  
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<210> 351

<211> 275  
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 gctgatctca caaacgagga attcaaagcc ataaatagat tcaaggggtca tgtgtgctcc 180  
 aaaataacac ggacaccac atttaggtat gaaaatatga cagcagtgcc agctacattg 240  
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aggcgaatgt ggggtcctca tctagaaagg tgaagcgcaa atggcatagt aggggggaga 240  
ggaaggtgga tagggaatat gatgttggtc tg 272

<210> 354  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700905106H1

<400> 354

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<210> 355  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700905112H1

<400> 355

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ctccaccct gagcttgggt ttggaagggt tagcatgagg aaaacagcct ccaaaactgt 180  
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<210> 356  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700905113H1

<400> 356

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<223> Clone ID: 700905115H1

<400> 357

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<210> 358  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905118H1

<400> 358

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<213> Glycine max

<223> Clone ID: 700905125H1

<400> 359

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<210> 360

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700905129H1

<400> 360

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ccgcgtcatc gagaaatgcg gcggcgctccg ccacggcatc ccttctctcc aatcccttgc 180  
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<210> 361

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700905139H1

<400> 361

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263

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<400> 362

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<210> 363  
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<212> DNA  
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<400> 363

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<210> 364  
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<400> 364

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<223> Clone ID: 700905160H1

<400> 365

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<210> 366  
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<223> Clone ID: 700905161H1

<400> 366

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<210> 367  
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<223> Clone ID: 700905183H1

<400> 367

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tcgtacttta agctggaagg atgtgaagtg gcttcaaaca atcaccaaac tgccaattct 180  
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<210> 368

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700905186H1

<400> 368

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catgacaata tccaaggatc gagtgaacc atctccaatg ccagacagct ggaagctgag 180  
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<210> 369

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700905203H1

<400> 369

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gaatcatgcc ctcaggctga agacatcatc aaagaacaag tcaagcttct ctacaagcgc 180  
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tgtgatgctt cactgttgct 260

<210> 370  
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<223> Clone ID: 700905213H1

<400> 370

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atatttaag attgatattt tgcatcaaa ctcatctttg tacaatcag atgaaggatt 180  
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<210> 371  
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<223> Clone ID: 700905214H1

<400> 371

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ctctttcttt gtg 253

<210> 372  
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<223> Clone ID: 700905285H1

<400> 372

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accttgcaa tctctcaaac cataaataat tctcagctgc aggggtggta caacagattt 120

caaagggacg aagtgggtggc acagtggaaa aaggtgaagg gaaggatgtc tctgcacgtt 180  
 cactgccaca ttagtggagg tcattttctc ttggatatat tagcaagggtt aagatacttc 240  
 atcttc 246

<210> 373  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700905319H1  
 <400> 373

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 attcangttg caaacatggc ttttccagac ccatccatgt cagtttctcc acagaggaag 120  
 atgggaaggg ggaagattga gatcaagagg attgagaaca ctaccaatcg ccaagtcaca 180  
 ttctgcaagc gcaggaacgg cttgctcaag aaagcatatg aattatctgt gctttgtgat 240

<210> 374  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700905349H1  
 <400> 374

ttcagccctg cctgttttgc ntncattctg ttttcanagt gacgaacttc tgnagaaatn 60  
 gcaaatcatc ctttgacaca ctctcactct ttccgcgaga ggtttgntgn gactctcact 120  
 ggtcacagga acganattnt ggcccttctg tcaaggcttg aagccaaggg caagggnatc 180  
 ctgcaacatn accaagtggg tgcagagttt gaagaaatcc ctgaggagag cngaaagaga 240  
 ctccaagagg tgncnttgga gnagtttgat 270

<210> 375  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700905403H1

<400> 375

cgacattcat tcatttatgg ctacccttat tgctcccagc aaccactctc cccaagaaga 60  
cgctgaggct ctcagaaagg cttttgaagg atgggggact gatgagaaaa ctgtcatagt 120  
aatattgggt catagaactg tttatcagag gcagcaaata agaagagtct atgaggaaat 180  
tttccaggag gatcttgtga aacgcctaga gtctgagatc aaaggagact ttgagaaagc 240

<210> 376

<211> 116

<212> DNA

<213> Glycine max

<223> Clone ID: 700905409H1

<400> 376

gaactcatca cttactggaa gccttggtgt gagtaagaga aaaggcttcc tgcaccgagc 60  
acaccaactt gatacctctg attctttctt tgcttagaat tccacacaac atacga 116

<210> 377

<211> 153

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905434H1

<400> 377

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atcgcatctt cattccgaaa atggctgttt cggtatcac tggagcgagg ctaactctag 120  
ggatgtctct ttcctcttcc acacnacana ngg 153

<210> 378

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700905445H1

<400> 378

caacgaatgc agtgtcttgc cgctttcaca agtttggtga tgaccaaag aatctggtct 60  
tccaaggtga tgccacgtct tcttccaggg gcatagaact cacaagtta gacggtggag 120

gaaaaccagt ggggtggcagt gtggggagag tgttatactc ttctccagtg cacctttggg 180

aaagctctac agtggtcgca agctttgaaa ccgacttcac cttttccatc tc 232

<210> 379

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700905457H1

<400> 379

cgccatttgg gagttaggtt ctgcacgctc tgcttcagc gagtggtctt tcttcgtttc 60

aacaccttaa tttgcacacg ctgcttcttc agcttgagaa atggcacaag aaacctttct 120

attcacatct gaatctgtaa acgaggggtca ccccgacaag ctgtgcgacc agatctctga 180

tgcagtgtc gatgctgtcc ttgaacagga ccctgacagc aaggttgcct 230

<210> 380

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700905478H1

<400> 380

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atattgatga agttaattct tggcatgac gcggttcacg catgactgcc agcattggta 180

gtgcaaagtt tttgagtgat ggtgatgaat tggtaaaga actccagt 228

<210> 381

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700905485H1

<400> 381

cgacacagca gaaatgatat gatgggttgt ggcggtgcat tctcagtgtg gctgccagtg 60

tttgtgtctt gttttacagc aatagcattg gctgggactg ggtgcgataa ggcaccgggtg 120

gtgttcgtgt tcggcgattc gaactcggac acgggtggac tcgcttcggt tctgggtttc 180  
cctatcaatc ttcccaatgg cgcgaatttc tttcacagat cca 223

<210> 382  
<211> 227  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700905493H1

<400> 382

ggggcactng tttcgaaccc tcgttggtgt taggtcttct tcacctttcg aattttggaa 60  
tccatgggtc agggaaactcc gggcggtcatg aaccggcagg gcgaccgnaa gccggacggc 120  
ggcgacaaga aggagaagaa gttcgagccg tcggctccgc cggcgcgcggt ggggacggaaa 180  
cagcgggaagc agaaaggtcc ggaggcggcg gcgcggttgc cgacagt 227

<210> 383  
<211> 267  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700905514H1

<400> 383

cngtggttac ccctctagtc ctagcaatgc tggaacaggc accacagcaa ctccaacaac 60  
cactacacca acaacaggca caccaccac caccttaact ccaaccaccc ccactactac 120  
cactccaggc acaaccaccg gtaccagccc aaccactggc actggtaccg gcaccggcac 180  
cggcaccacc ataggtaacc ctaatgtgtt tggaatgagt ccaacatctt caatggaaca 240  
ggaggaggct tcaatgaccc aaacaaa 267

<210> 384  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905548H1

<400> 384

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aagcttgagg gttctggcat ttgtttgtct aatgttattg agcaggatgt caaggataat 120  
cctgttatgg ttacatgaa aggtgtgcct gattttccac aatgtggatt tagttcgctt 180  
gctgtaagag ttttaaaaca ctatgatgtt cctattagtg ctagaaacat tttggaggat 240  
cctgaactta aaaatgctgt aaaagc 266

<210> 385  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905591H1

<400> 385  
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cctaagtatt cttcttcgac tgc tcaaagg aacctgaaga acttttgtca gccttacgtc 120  
gaattggcta atagttatgg cactggacaa attgaagaac tagaggcata tgccagggca 180  
aatgcagaga agtttgaatc tgacaacaac cttggactgg ttaatcaggt tgtatcatcc 240  
atgtataagc ggaatattca 260

<210> 386  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905601H1

<400> 386  
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ggcaagtctg tagttgagaa gctactttgg atggcaattg tgtgcttggt gctgggtgta 120  
atttccatta ctccaaggc ccaagcagca gtgacatgca accaggtggt gagcaacctc 180  
accccatgca tttcttatgt gctcaatggt ggcaaaaccg tgcctggccc ttgctgcaat 240  
gggatcaaga ccctct 256

<210> 387  
<211> 256



<212> DNA  
<213> Glycine max

<223> Clone ID: 700905603H1

<400> 387

gaaaatgtgg aagagaacgg gttttgaaga agaagcagtt caattgatca actcagattt 60  
caggaccta agtctagctg ctaatagact cgcccatcat gccatcaaac ttggtggcat 120  
tggttttga gcctcttttt tcggattgtt tgctgccatt gctgctattt atctgttgat 180  
tttgatcgt acaaactgga aaacaaatat tctcacagca ctactcatte catacatttt 240  
cttcagcttg ctttca 256

<210> 388  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905608H1

<400> 388

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aagtctctgg agttggcgaa cgagctgatg gaaaaaggaa acaaggcaat taaggagAAC 120  
gattttggag aagcagctga taacttcagc cgtgctctcg aaatcagagt ggcacattat 180  
ggatgaacttg ctctgagtg tgtgcacaca tattacaaat atgggtgtgc acttttatac 240  
aaggctcagg aggaa 255

<210> 389  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905611H1

<400> 389

ggaacaaaca acaatagagg ggttgtgtg ctctgtgtgc tgcaatttcc ttttgagctt 60  
gtgtttgatt catcaaatca tcaaagatga ctgtaggggc aggaatatct gttgcagatg 120  
ggaacttgat ggtgttgggg aacaaagtgc tgagccatgt ccatgacaag gttcttgtaa 180  
cccctgcatg tgggtgtgct ttgctcaatg gggcattcat tggggttcaa tcccatcaca 240

agggtagccg

250

<210> 390

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700905619H1

<400> 390

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aaaccctagt tgtttggcat ttctctcttt ctccctcgta aatcttctcc cattccctcc 120

ggtagctttc cagatccaaa taaatcatgg ttttctgggt ttttggctac ggttcactgg 180

tgtggaaccc tggattcgat tacgacgaga agattattgg tttcatcaag gactacagac 240

gcgtgtttga tttta 254

<210> 391

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700905632H1

<400> 391

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cttccttgag ggcttcctgg atggtcagtt tctgcaactt cagcagcttc aagatgagaa 120

caaccctgac tttgtggtcg aagttgtctc tctcttcttt gaagattctg aaaggcttct 180

caaagatctc acctttgccc tagatcagaa tgggtgttgac ttcaaaaaag ttgatgctca 240

tgtgcaccag t 251

<210> 392

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700905634H1

<400> 392

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atgatccaaa ggcccaggcc ttgaagactg ctaaggcagt taagtcaggt gctaccttta 120  
 agaagaaggt aaagaagatc cgaacttctg tcactttcca caggccgaag accttgaaga 180  
 aggacaggaa ccccaagtac cctcgcatc ggcggccgcc gaggaacaag cttgatcatt 240  
 atcagatcct g 251

<210> 393  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905636H1

<400> 393

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 gaataggatt cacagcagat atagcaaagc tcacactaac atcaatttat gataacaacc 120  
 tcaaaatcaa gttatcagtg tgtcaccctg acttttcaaa aacaattatt tgttgcttca 180  
 tatttctactg tgatttcata atagattttc actcatctta cttgactcca agcattctat 240  
 atatctagtg cct 253

<210> 394  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700905639H1

<400> 394

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 ctctgatgga gacgttccgt gtttagtagc aagggttagt tgaggccttg tgtttggaag 120  
 cgtacgggtg cgttttggag ttgggaaaac aaataattct gagagatggc aaccacgaac 180  
 ccttttgatt tgttgggtga cgacgctgag gacccttctc agctcatcgc cgccgagcaa 240  
 ctcaaggcgg 250

<210> 395  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700905643H1

<400> 395

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agatccatct agcttcgggtg ctgcaaatgg acgtcgcagt cactgccgtt cggtcaccgc 120  
tgatcgctct gggaagtccg gtcaacgggt ccgcctcagc tcggttgggt tccacttttg 180  
ggttttccag aaagctatgc ttgaattcag tatttatccc gaagcaagtt cgtagaagag 240  
ggtttgt 247

<210> 396

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700905660H1

<400> 396

catctttatg ttagtaaagc taggaggctc ctcttgcttg caggttcagt tttatgagga 60  
ttgctgcatt agcttttttg actatatatt atgtataaaa tgttgacatg aacgtgtatg 120  
attatatgat aatataattc tacttttttt t 151

<210> 397

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700905683H1

<400> 397

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aactacagag gaggatatct tcagagcaag ctctatccaa agatttgga gaaaaccaag 120  
acctgtacgg agagactcta ctggcagtgg tcatgagcat gcagttgttt ttgtaaatgg 180  
ggatcaatac tatggagcaa aagctagcat aaacgtgtgg gcaccccggtg taactgatga 240  
att 243

<210> 398

<211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700905716H1  
  
 <400> 398  
  
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 ctcttatgac ccaaacctgc ggctaccctt gtggccctcc gccgaggaag cacgtcagca 120  
 aatactcagc atatgggaca aggctgatgn aatcaaggtc agtgatgtgg aactggaatt 180  
 ccnaaccgga agtgacaaaa ttgatgatgc atctgctctn tccctgtggc accccaattt 240  
 gaagttgctc cttgtcac 258

<210> 399  
 <211> 130  
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 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700905744H1  
  
 <400> 399  
  
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 aatncatggt ccatcagctg tttgcntgtg tgaaatngtn atgccgcctc caccaattgc 120  
 caccaccaac 130

<210> 400  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700905747H1  
  
 <400> 400  
  
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 agacaacctg ggtgctgnag ttgacttgaa aatctnaaat catttgattg agcacaagaa 180  
 tgaatactgt atggaggtca tccaagaca ttggctgacg tgaaagggtg catctgattt 240

cttatgaagg aa

252

<210> 401  
<211> 63  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700905780H1  
  
<400> 401

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ntt 63

<210> 402  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700905805H1  
  
<400> 402

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aaaggaagaa ctgtggactt caagaacacg cttcttataa tgacatcaaa tgttgggaagc 120  
agtgtgattg agaaggaggc cgtaaaatag gatttgacct tgattatgat gagaaggata 180  
gcagttacaa ccgaatcaag agcttggtga ctgaggaact gaagcaatac ttcaggccag 240  
agttcttgaa taggttggat g 261

<210> 403  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700905820H1  
  
<400> 403

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tcgtgttggt ctttcagtac gacgggagcg ttggaaggag ctcatatct ggccactggt 120  
gagctcgtga gcttagcgag caacagcttg tggattgcga tcacgtgtgt gatccagaag 180

aatatggagc gtgtgactca ggctgtaatg gtgggttgat gaacaacgca tttagtaca 240  
tacttcagtc tgggggag 258

<210> 404  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905826H1

<400> 404

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ttcttccatg gctctctcat ccccatcctt ggctggcaag gccgtgaagc tggggccatc 120  
agccccagaa gtggaagggg gagcatgagg aagaccgtca ccaagcaggt ctctcagga 180  
agcccatggt acggcccaga ccgagtcaag tacttgggcc cattctctgg cgagcccccg 240  
tcctacctaa ccggtgag 258

<210> 405  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905827H1

<400> 405

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gatggaactt gtagctgaat ccgagcgaac tctgtaccca tacgtgactg gatcctctgt 120  
agtcgctatc aatacaaaga tgggattcta atggccgctg acatgggagg ttcgtatgga 180  
tctaccctgc ggtataagag tggtgagcgt atcaagccta ttggaaagca ttctcttctt 240  
ggtgctagcg gggagata 258

<210> 406  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905846H1

<400> 406

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aagtgtacca ggtttctgtg agagcttcaa gtcttcattc tctccattca tgggctctac 180  
aatcagcagc atttccatgg gtttaggacc agatggtgag ctacgttatc catctcacca 240  
ctggctgccg agtaatgg 258

<210> 407  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700905866H1  
<400> 407

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tatgtccagg aatgctgggt attctgatca ggttgtggag cttgactttt tgtatcccag 120  
tgaaggatcc atcgctgatg ggagaatggt taccggatta cttctatggc tgctactagt 180  
gatcaggcag ccttcatact gagcatacca aaacgcaa at tacttgatga aactcaggag 240  
aactgcgta ca 252

<210> 408  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700905880H1  
<400> 408

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acaagttccc ggagagacag ccgattggga cggcggcgca gagccaagac gacggcaagg 120  
actaccagag ccggcgccgg cgccactggt tgacccgacg gagtttacgt catggtcctt 180  
ttacagagca gggatagcag agtttgtggc cacttttctg tttctataca tcaactgtctt 240  
aaccgtcatg gga 253

<210> 409  
<211> 81  
<212> DNA



<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905894H1

<400> 409

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gggggntgtg gctgnaaggn g 81

<210> 410

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700905903H1

<400> 410

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tagtgagtgc tagtattaca tgttctcaga aaagatttga tgtaattctt ttgacaagtg 120

ttcattttat ggtatgggtg gtagatcaaa ctttttatat ctgacaatga gttcaacctg 180

actatcattg ctaggcgctc acggcattat gctgggacca gatatttgaa acgaggagtg 240

aataaaaggg ta 252

<210> 411

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905921H1

<400> 411

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gcatactggg gttaaattcca tgcgcatgag tcggaagaat ttgtgttagc ggtgaggaga 120

tatattgaga attaataatt gatagtgtat atatggggag gggaagagtg gagttgaaga 180

ggatcgagaa cnagatcaat aggcaagtga cgttccaaag agaa 224

<210> 412

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700905939H1

<400> 412

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tcgcttcctc tccttcaatc cttcttccaa cgctattaat tacaaaatta acctctccgc 120  
ttccctccga tccattcact ccctccctct taaaacctcc ttgcggatca aatgctccca 180  
aacagatggg aatggaagtc ctgcaaagag gacagtgtt catgatcttt atgagaaaga 240  
gggcagagt 249

<210> 413

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700905942H1

<400> 413

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catgaagtgt tttcgagtcc caacatgggt gagcttccca gcagcgggtc aatggacagt 120  
ttcttcgacg agctttctca ggacacgcac gcctgcaccc acaccacac ctgtaaccct 180  
cccggccccg atttctccca cactcacacg tgctaccatg tccacaccaa aatcgtcccg 240  
cccctgag 248

<210> 414

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700905985H1

<400> 414

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agagacaata cctctcctca cctcatacaa gatgggaaat tttaatctat cccacaggat 120  
tgtgttggca ccgttaacac gatcaaggtc ttacaacttc gttcctcagc cgcagtgtgc 180  
tctgtattat tctcaaagaa ctactaaggg tggcttcttg atcggggaag ctatggtgta 240

tc

242

<210> 415  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906010H1

<400> 415

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ctaggggttca accgcccaca actcagtcga ctttcaaggt taggaaggag aaattaggtg 120  
acagaattac cgcccttcat caactcggtt cccattcgg aaagactgac acggcttctg 180  
tcttattaga agctattggg tatatcagat tccttcagag tcaaattgag gcccttagct 240  
taccatactt gggcagtgga tcaggaaaca tg 272

<210> 416  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906022H1

<400> 416

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acatgaaggg gaggttcatg tttctgtcgg tgctcctttg tgccaccttt catgtctcct 120  
tctccattac tgacggctta gtagcaaacg gcaacttcga gctgggtccg aagccctccg 180  
ccctgaaagg aactgtggtg attggtggca gccactcgat cccagaatgg gagatctctg 240  
gcttcgtgga gtacataaag tccggccag 269

<210> 417  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906036H1

<400> 417

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actaagaact ctctctctga tccctaccct ttcaatttga tgtttcagac ttccattggt 120  
 ccctccggct tcagccctgg ctttatgaga cccgagactg cccagggcat tttcgtaaat 180  
 tttaaggatt tgtattatta caatggcaac aagcttcctt tcgctgctgc gcagattggc 240  
 caagcgttta ggaatgagat atctccacg 269

<210> 418  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906049H1

<400> 418

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 agagaatgca aatgccttca ccaagccagt acatttcagc ttcttcatca gctccaagat 180  
 gcagaacaat caaggccatg gcttcccca ctgttggagc accaaagaga gaaaaggatc 240  
 caaaaaagcg ggtagtaata acaggaatgg g 271

<210> 419  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906058H1

<400> 419

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 agtgacgtgg tcatatggga agaaatatgg acttactctg gaacaattgt ctttattgtg 180  
 gagcaagaaa cctgcaacac tggcgggggtt agaatcaaag gggaccattg cagttggaaa 240  
 ccatgcagat attgtagttt gg 262

<210> 420  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906096H1

<400> 420

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tgatgctgag gtagctttga ttgtcttctc tcacaaagga aagctctttg agtatgctac 180  
tgattcatgc atggagaaga tactggaacg ccacgaaagg tatgcctatg cagagaggca 240  
gctagtagca aatgattctg aaacaca 267

<210> 421

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700906119H1

<400> 421

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aaggtttgaa ttaggaacaa ttaaacaaga tattaaggca cttgtggggc tgtgtgtaag 120  
gtttctagag cattggatta cagggtaaca tttgcatggt gacagaagga tttggaaagc 180  
caatgcacaa agttttgaaa ctttgtaa atgtgggggttg attagatcaa attgtgggaa 240  
agaaaa 246

<210> 422

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700906120H1

<400> 422

ggaaaccctc ttaggatatt tgtgattgtg agagattttc tggggatgtt agataatgtg 60  
tgtaaagaac ttagaaggct taaagctcca cgtagcccgga accctcttgc tatgctccct 120  
ttagatagat catagactag aattaaacac tgccttgtgt gttcatagga attgaaattt 180  
tttaaaccac cagagtgtaa ctttattttg atttttgtgg agttttggag catttggatt 240  
ttgta 245

<210> 423  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700906129H1  
  
 <400> 423  
  
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 ctttattcca cccctttctt ctcccttcat caagcaccca actttctgcc acccccacaa 120  
 aagggtgctt gcgtttcttt ctgtgatctc aaccatgaag cgtccactca caccttcagc 180  
 cagcggcatg aagactaaca agaaagccaa ggcgatggaa aatgacgaag acgtggaggg 240  
 gctggggg 247

<210> 424  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700906131H1  
  
 <400> 424  
  
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 cggttgatt ggtggtctac tgggtaagct ctgcgaagag cgcgggatcc aatatgagta 120  
 cggcaccggc agattggaga accgctcgtc gttggaggcg gacatagcgg ctgtgaagcc 180  
 cagccacgtg ttcaacgccg cgggtgtcac gggtagacct aatgtggact ggtgcgaatc 240  
 tcacaaagtt 250

<210> 425  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700906132H1  
  
 <400> 425  
  
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 tgggcaaggt caagatcgga atcaacggat ttggaagaat tggccgttg gtggccaggg 120

tggctctgca gagagacgat gttgaactcg ttgccgttaa cgatcctttc attaccaccg 180  
 attacatgac atacatgttt aaatacgaca gtgttcacgg gcaactggaag catcacgatg 240  
 tcaccgttaa g 251

<210> 426  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906160H1  
 <400> 426

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 gaccgtgaag gatgtttcgc ctcacgattt cgtgaaggct tacgcctccc atctcaagcg 120  
 ttccggcaag atggagcttc ctgagtggac tgatattgta aaaacagcaa aatttaagga 180  
 attggctcca tatgatcctg actgggtatta tgtagggct gcctcaatgg caagaaagat 240  
 t 241

<210> 427  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906171H1  
 <400> 427

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 gaagctcatc agaatgagtc tgctccatta atgatgttat ttccagaagg tacaaccaca 120  
 aatggagagt tcctccttcc attcaagact ggtgggtttt tggcaaaggc accggtactt 180  
 cctgtgatat tacgatatca ttaccagaga tttagccctg cctgggattc catatctgg 239

<210> 428  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906174H1  
 <400> 428

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gatacctttg accgcaacaa aattcttaat tgatcactgg gtatgttttt gatcgtgcac 120  
cttgtggggc agtaatcggt caaaacgtga acaagtctta cttttgattc cgaattcctc 180  
ttatcacttg atgcttaagt ttgctgcttt caccaattgt tctaggatta ccaagttga 239

<210> 429  
<211> 240  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906177H1  
<400> 429

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aaagggaaaa ttttctggag gttttgatat ttctgcattt ggtgggtattc aagaggcaaa 120  
agagcgtcca aaacctgggt ggatatcagt agaaatcatc actgatacta ttgaagcggc 180  
taggaaacca tcagtcgctg ccattgatgg ccttgccttg ggtggaggat tagaagttgc 240

<210> 430  
<211> 234  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906185H1  
<400> 430

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aaattgcaat gggagtggaa gatacagata tttgtatcat caaggagcca gatcatgttg 120  
tagtctattc agatggcatt tctcatgatt cgggtcatga agctggaagt ggtcatcaca 180  
atattacaga gtcgtatgaa caaatcaatg agactactga acatcatagt tcag 234

<210> 431  
<211> 235  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906186H1  
<400> 431



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atgcgccac gtgcacggga caagaagctt gttgaagaat gggcagttcc cttgaaaagc 120  
attgaagata tatatgagag gtttagactg tattgtcttg gaaagttgag aagcaatcct 180  
tggtcagaac tagatggtct tcagccagag acaaagataa taaatgagct gctgg 235

<210> 432  
<211> 268  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700906204H1  
<400> 432

gcctcatagc tcctttctca ttccacacac acnaagantn ntgagacatc atgaagattc 60  
caagttccaa gcaactgggt gtgggatttg cacttggaat tgaaggatag gcaacggttg 120  
agagctgaag aggatgcttt actacgcgca tatgtcaaac agtatgggtcc tagggaatgg 180  
aatctggtgt ctacgcgcac gaacacacct cttaacaggg atgccaagtc atgcttagaa 240  
aggtggaaga actacctcaa gcccggca 268

<210> 433  
<211> 180  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700906205H1  
<400> 433

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ttctnncttc cctnggtctc tggcaganag angccanngt tctctncctt ggtctcgatg 120  
gtgcnggcaa aacctccctc cttcacatgc tcaaagacga gngnttagtt cagcaccagc 180

<210> 434  
<211> 169  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906235H1

<400> 434

ggtaaacaac ccatatcata accgtactca ctttctccg gttcgggctt tttcagcccg 60  
taaccttgca ctgaatatca gtgttggtt ggcatcctgc catgggaaca aacacaacgc 120  
tcctttccct tgctgcccc aactcattcc tttctctttc cacccttta 169

<210> 435

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700906250H1

<400> 435

gattttcaaa gtttatatatt atttgcagcc aataataagt tttggcgtga ctgaatgaat 60  
atcacccata tattgattga tattgaattt ctgaattctt gtaactgatt tgcaattctt 120  
cgaatctttt aatc 134

<210> 436

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700906253H1

<400> 436

ggcttgctgt ggaagcacac aacatctttg gctttgagac cattcctgaa gagtgcgttg 60  
aagcaacaaa ggaatacatc catggcgaac aatatagatc agactccaaa acagttaacc 120  
aacaagctta cttttatgcc agagacctcg aagtccatcc caaggacaca tttgtgttca 180  
gtatagatgg caccgtactc tctaatttc catactacaa aaaacatgga tatgggggtgg 240  
agaaatttaa ctcgaccttg tat 263

<210> 437

<211> 126

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906273H1

<400> 437

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 agcattgtct cggctccgtc ctacgcgttc ccttttctct ctggctccgc ttccacacaa 120  
 catacg 126

<210> 438  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700906279H1

<400> 438  
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 gctcgggcta nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gtaaagggtc cgtggctcgc 120  
 ggaggaggac gccattctaa gccgtctggt gggcaagtgc ggcgcganaa attggagcct 180  
 cattgcgcgc ggaatcagcg gaagatccgg caagtcatgc cggctccggt ggtgcaacca 240  
 gcttgacccc gccgtcaagc gc 262

<210> 439  
 <211> 157  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906290H1

<400> 439  
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 aacacataga aaaaggaggc atagccaacc tattcaaacc atgatgcaag gctgtgaggt 120  
 tgatgccatt ggcataaact acacgatcca cacaaca 157

<210> 440  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906306H1

<400> 440

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 cgaatgatat tgggtataca acacctgtac aagagaccaa tatatgcgcg gatgcctgaa 120  
 tgcagtatta attctcccaa ctatggacca ttacctctg atgtcctgc ttggtgtcag 180  
 gccccttttg atcctgaagg actcctaagt tcagtgatgg ctattgtcac ctgcttgatt 240  
 gggttgcact atggacatat tattgtccat tttta 274

<210> 441  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906312H1

<400> 441

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 taacttagca ttgatgcatt ttgtgcttga ggttcaagga ctatttatcc ttccgatcgg 180  
 atcacaattt gatctcaca ttttagcctca ccttatgctt gagacttgaa gggttatgtat 240  
 ccttcggatt gaattatgcg accatgcatt t 271

<210> 442  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906338H1

<400> 442

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 gtttgagatc ccgcaccaga gattccttct ctcgtccctt caggaagaag ggtaccatcg 120  
 ccctcaccac atacctcaga acctaccacg tcggcgatta tgcgcacgctc aagggttaacg 180  
 gcgccgtcca caaggggaatg cctcacaagt tctaccatgg ccgcaccggt cgcgtctgga 240  
 atgtcaccaa acgtgctgtt ggggtcgaag t 271

<210> 443  
 <211> 272  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700906352H1

<400> 443

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atcagcattc actgggtcaaa ctgctctgaa gcagctcaat gagttcgtcc gcaagaccgg 120  
tggcgccggc aaagggtcgca ctaacatgcg ccgcaccgtc aagagtgtc ctcagagcat 180  
ttggtatggc cctgaccgtc ccaagtactt ggggtccattc tcggagcaga ttccatcata 240  
cctgaccgga gaattccctg gtgactacgg at 272

<210> 444

<211> 106

<212> DNA

<213> Glycine max

<223> Clone ID: 700906391H1

<400> 444

caagttttct ggtgtaatga acattttgcc agtgaggccc tagcagccta atctgctttt 60  
tgtggttata tggctctgta taaaatttaa ttacagcagc tcttct 106

<210> 445

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700906396H1

<400> 445

ttacaaattg tcatacttgt tgttggaact agaggcgacg tacaaccttt tctggccatt 60  
gcaaagagac ttcaggagta tggatcatcat gttaggctgg caactcatga taattttaaa 120  
acatttgatga agtcagctaa tgtagatttc taccctctgg gtggtgatcc tcgtattttg 180  
gctggatata tggcaaggaa taaaggttta atcccttctg gaccggctga aatatctgtc 240  
caaagaaagc agctgaaggc 260

<210> 446

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700906442H1

<400> 446

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attcttcaaa tacttttttt attgtatagg agcagaacca gaagagaagg ctcaaccaca 120  
aagggatcca atttcatttt tcattcttct cttcttcact ctcttttatg gctccaagca 180  
agctcaattc ctcgggaaat actagtatgc catgttcaca ggctgagaat ggttttgtca 240  
attccttttc tctcttcccc gagaa 265

<210> 447

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700906468H1

<400> 447

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ccactttttc tctccataag tttattctgg cggctaagag taactacatc agaaaagtga 120  
taatggaatc agaggagagt gacctaacaa gaatagagat ttccaacata cctggaggac 180  
aagaagcttt tgagaaagcc gcgaaattct gttacggcgt taacttcgag atcaccttc 240  
acaacgtggc ggcgctgcac tgcgccgcc 269

<210> 448

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700906470H1

<400> 448

ccggagtttg attcacctgt cggagagttt ctgcggcggt ggaggggtgc ggagggatca 60  
gtttccgaag gggtttcggt cggagaggga gcgatcgagg agggagggga gcggtgcgtc 120  
gaccgcccgc cgtttcgtcc atgcagccgc tgccttctcc taaccccgtc gacacctccg 180  
ctgtttctca gagactccaa aaggaattaa tgactctcat gatgagtgga ggagatcttg 240

gggtatcggc ttttctga

259

<210> 449

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700906495H1

<400> 449

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ctcatcaatc aaatttgcta gctttggtac tccagcaggt tcttgtggaa acttccatga 120

aggaagctgt catgctcaca agtcttatga tgcctttgaa aggaattgtg ttggacagaa 180

ctggtgcaca gtaacagtgt cacctgaaaa ttttggagga gatccatgtc caaatgtctt 240

gaagaaactc tcagtggaag ctattt 266

<210> 450

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700906502H1

<400> 450

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ttagcggcat tcatatact 79

<210> 451

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700906522H1

<400> 451

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ccttgctcgc acctttgaca gaatgcctta tctgctgtct ctgtcttctt ttgtggctga 120

cgatgttgcc gctgctgttc ctgctgctca agatctgggg gagcagtggt cttattaatg 180

gatgtgcttc aattcaaata gtctcgact agtcatcatt ccttttgttt ctgttgcttg 240

cttggttggt cttcttct

258

<210> 452  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906527H1

<400> 452

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gttgccctctc acatccatgg cattgaaaga aagctattgg ttgccctact aagtgcctat 120  
agatacgaag gaacaaaggt taaagatgac actgcaaaat cagaagccaa aatcctttcc 180  
aatgcaatta agaatgctca taagaagcct attaatgagg atgatgaagt gataaggata 240  
ttggcaacaa gaag 254

<210> 453  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906541H1

<400> 453

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tcgtttgacc cgggttcaca gtctccgtga gaggttgat gaaaccctca ctgccaacag 120  
gaacgaaatt ttggcccttc tgtcaaggat cgaagctaag ggcaagggga tcttgaaca 180  
ccaccaggtc attgctgagt ttgaggaaat ccctgaggag aacaggcaga agcttactga 240  
tggtgccttt ggagaa 256

<210> 454  
<211> 109  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906544H1

<400> 454

tgagattttg ccacactgta gaaggggtgt tcttgtaatt tcatcgcttg gaatcatcca 60



gaagcaaaacc cccacttttag cctcttttggg tttgttctgt tectactcc

109

<210> 455

<211> 90

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906560H1

<400> 455

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acacaacatc acgagtcgag cganaggggg 90

<210> 456

<211> 59

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906665H1

<400> 456

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<210> 457

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700906723H1

<400> 457

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ccatgtctta gaatagcagc actgttcctc cgctatggtt gcaaagtcac tctcatcact 120

cccaaacc caagtctctc cgctgaatca aacctcatct ctcgcttctg ttcttcttc 180

cctcaccaag ttacccgaac agacttaa atctcatccctt tggatccaac cacagttaac 240

accagtgacc ctttttggct tcagtt 266

<210> 458

<211> 271

<212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
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 ggcgctgcct cctcctccca cacgctccgt gggtttgacc tgaaccttcc ggcgcccgtg 180  
 acggagttct ggangccgat ggggtttgat ttcgggaaga agaaggtagg cgggtaacaa 240  
 gaggtggaaa gcccggtgcc ggtaaccgcc a 271

<210> 459  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906740H1  
 <400> 459  
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 tgcattgtca cttctttgct tttaccagtc tctacttcct ccgaagacga cgatgccgac 180  
 tccgccgtca ccacaaccga cgcaaggctc gccgtcatgg ggattctcag tttcatccct 240  
 tatttcaatt ggctcacttg ggttt 265

<210> 460  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906801H1  
 <400> 460  
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 tagtgggggtt actgcccgtg tcaacaatgg gtcgattcgt ggtggagaag aacagcctga 120  
 gagtgcacac gccggaaaaa taagaggac acacgacagt gccattggca acttcggaat 180  
 acctcaatac ggtggttagca tggccgggaa cgtaatttac cctaaggata aaaaaaggg 240

ttgcaaagag ttcgatgagt tc

262

<210> 461  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700906813H1  
  
<400> 461

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gcttacttca agagatatca agtcaagttc aagagaagaa gagagggaaa aaccgattac 120  
cgtgccagga ttcggtgatt aatcaggaca agaacaaata taacactccg aaataccgat 180  
ttgtggttcg ctttagcaac aaggacattg ttgcacaaat aatatctgct agcattgccg 240  
gcgatttagt tcttgctac 259

<210> 462  
<211> 246  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700906858H1  
  
<400> 462

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acaagttctg atctgaaagt ggttggaac aagttaaagg atatattaga gatctcaaac 120  
acatccttaa aatgaggaag atcgttggtg aactgtgtga cattgttgct actcgaggag 180  
tcggcttgct gctgctggta ttttgggcat ccttaagaaa ataggaagag acacagttaa 240  
ggttgg 246

<210> 463  
<211> 270  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700906912H1  
  
<400> 463

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tctctctctc agtttttgct attctgagtg atgggtatgc cctgccgctg ttcccacacc 120  
tcccacatca ntgaaatcat catcaccagc ttcttcgcc acaagtctta aattacaaca 180  
atttcctca attattcatc aaccaaccac cttaatagcc ttttccaatg gttccttaaa 240  
gatccaactt ggtcggagta aacatggcgg 270

<210> 464  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906929H1

<400> 464

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gagggtgctg gtgtgtctga ttgagaagga aattgagttt gaaacagtac atattgatct 120  
cttcaaggga gagaataagg aacctgagtt cctaaagctg cagccatttg gatcacttcc 180  
tgttattcaa gatggtgatt atactctcta tgaatctcgt gcaataatca gatactttgc 240  
agagaagtat aaagaccaag ggaca 265

<210> 465  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906939H1

<400> 465

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aaatatcctc tattgagaag aaggcgtagg ttgattgtta tagcacttga tttgtatgac 120  
aataatggag ctccggagaa gaaaatgatt gagatggtgc aaaagataat taaagctgtg 180  
caactagacc ctcaaactgc tagagttaca gggtttgctt tatcaactgc tatgccagtg 240  
atagaaacag tagagttcct a 261

<210> 466  
<211> 256  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700906968H1  
 <400> 466

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 ggaacggcct tcaaccctga aatctgaccc tgggatgcca tcatcacatg cacaatccat 180  
 attctttact gtcttctttg ttattttgtc aggcgtagaa tggcttgggc taaatggatt 240  
 caccattgcc atcagt 256

<210> 467  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907037H1  
 <400> 467

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 ctccatcatga gttcgtcaaa gcttactctt ctcacctcaa gcgatctggc aagatggagc 180  
 tgccagagtg gctgatattg tgaaaactgc aagatttaag gagttggctc cttatgatcc 240  
 tgactggtac tatgtcagag ctgctt 266

<210> 468  
 <211> 56  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700907048H1  
 <400> 468

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<210> 469  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907076H1

<400> 469

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cgTcaccatg agTctcttcg gtcttggaaa cagaaaccaa aaaacatttc gtccaaaaaa 120  
gagTgtcca tctggaagta agggTgtctca acttcaaaaa cacatcgatg ccacgttggg 180  
tagTgggaac ttgagggagg ctgttaaact gcctcccggT gaagatatta atgaatggct 240  
agctgtaaac accgtggact tc 262

<210> 470

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700907080H1

<400> 470

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agTgccagaa acatgccccaa tgacgctggT ttggaggacc agaagaactt ccttgggtat 180  
gggttttcgg agttggcaac aatggccttc cctttggtgg agTgggttct gggtttgatg 240  
gtaatatggg tgggccttct gg 262

<210> 471

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700907118H1

<400> 471

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tgctgcaacg agatctactc atgccgtcac tgtcataacg acgctgagag cttgttgaag 180  
aatccctttg atgccacga gctcggtcgc caagatgtta aacaagttgt ttgttcagtt 240  
tgtgacactg 250

<210> 472  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907135H1

<400> 472

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tggtaaaatg ctcaaagaaa atattgttag taattgaatg acttgatgaa aaggactata 180  
aatctgtaag gcatagaatg tgtcctgcca ttgcagaatg tgagagattt ggcactgtaa 240  
tggtcaag 248

<210> 473  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907138H1

<400> 473

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tgcaaggctc agtttcaaaa ccaccacctt ccctctctc caacgtgtat ggcattgtagg 120  
taccgaagat tttgtccac ataacgaaga atggctgcga gaagttgtac ttgttgccat 180  
agagctgggtg atgtacatca tggtaggctg agttgtttt gaaaaagatg tggaaaagggt 240  
tcccgggg 248

<210> 474  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907155H1

<400> 474

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gctgggtctg ccggtggcgg cgacggtgaa ctgcgccgac aatacggggg cgaagaacct 120

ctacatcata tcggtgaaag g gatcaaagg gcgtttgaac cgtctcccct cggcttgcg 180  
 tggcgacatg gtgatggcca ccgtgaagaa ggggaaaccc gatctgagga agaaggtttt 240  
 gccagc 246

<210> 475  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907157H1  
 <400> 475

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 atgcaccaat ggggcagggt catgttagca ctgctgtgaa gggtagcttt gggtatcttg 120  
 accctgagta cttcaggagg cagcaactga ctgaaaagtc tgatgtgtac tcatttgggg 180  
 tggttctgct tgaggcactc tgtgcaagac cagccatcaa ccttcagttg ccccgcgaa 240  
 aa 242

<210> 476  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700907167H1  
 <400> 476

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 ggagattgct ggaagcaagg aactgttg acagtatgag tctcacacag cctttaccct 120  
 tcttgactc taccgtgttg tgcacggcat tgatgtcttt gatccaaaat tcaacattgt 180  
 ctccccctgga gctgatcaaa ccatttactt cccccccacc gaaactagcc gtaggttgac 240  
 ctccttcc 248

<210> 477  
 <211> 258  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700907214H1

<400> 477

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ctgctgagaa ggcctaccat gaacagcttt cagtggctga aattaccaac agtgctttcg 120  
agccatcgtc catgatggcc aagtgtgacc ctgccacgg aaagtacatg gcatgttgcc 180  
tgatgtaccg tgggtgacgt gtgccc aaag atgtgaatgc tgctgttgcc accatcaaga 240  
ccaagaggac aattcagt 258

<210> 478

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700907219H1

<400> 478

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ccaacaggca agtcacctac tccaagcgaa ggaatggtat cttcaagaaa gctcatgaac 120  
tcagtgttct ctgtgatgcc aaggtttcac tcatcatggt ctctaaaaac aacaagatgc 180  
atgaatacat tagccctggc ctacagacaa aaaagatcat tgatcagtat cagaagactt 240  
tgggggatat tgat 254

<210> 479

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700907227H1

<400> 479

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cttcttccat ttggatttct gttgttcttt agttcagctt tcatcggagt acctggtgcc 120  
cttgcttga gcaaagaggg tcatgttatg acatgccaaa ttgcacaggc acttttagag 180  
cctgaggcat cggaagccgt gtaccaattg ttacctgacc atgtcaaagg taacctatca 240  
gccctctgca catg 254

<210>	480
<211>	255
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700907234H1

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actctttttct ctctctttat ctgtcaacga tccaagtcta cttctgaagc atcttttttac 120  
tgtcacttga catggcatca agacaccgtg ttcacagaga acccttgaat gctcgaaggg 180  
gttaccacc ggaagggcca tatgctcggg tggctcccat gcctcgacca ctgcctccta 240  
ttctctctca tccgt 255

<223> Clone ID: 700907235H1

gagggatcct tgcttctgtg gactcaagag tgctagtttt ggcaggatca acagtgggtg 60  
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<223> Clone ID: 700907301H1

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cctctgtcca	agattttgtc	aaacagtatg	aagcaatctt	gcaagacagg	tatgaagagg	120
aagcaaaagc	agattctgat	acatggaata	aagtggcaac	cttaaaaaact	ccttctcctt	180
tggagaagag	tgttgcaagg	attttcacac	atgctgtatt	caagaagatt	caagctgagg	240
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<210> 483  
<211> 270  
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<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907314H1

<400> 483

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tccaactcgt cgacgatcac accatcgacc atgtgatttc gtggaacgat tctggatcgt 180  
ccttcacgt ctggaacacc acggtttcgc caaggntttg ttcnaaata tttcaagngc 240  
nncaactnct ccagcttcgt tngcnaatca 270

<210> 484  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907315H1

<400> 484

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cacctctacc atatatatct ccctctaatt aaacctctct atccatatct aaaatttcaa 120  
aaagatctca attaattaga tttccctctc tctttctctc tctaactata ttgcaaacct 180  
ttccctctgc tttcaaaatc agcaaattca tgggtcttag agacattggg gcttcactgc 240  
ccccagggtt tcggttttac ccgagtgatg agg 273

<210> 485  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907328H1

<400> 485

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tcagattgtg tgaagatggg ggctggtggc cgaactgctg ttcctcctgc caacaggaag 120

tcagaggctg accctttgaa gcgggtacca ttgaaaaac ctcagtttag tctcagccag 180  
 attaagaagg ccattccacc tcaactgtttc cagcgctctg ttctccgctc attctctat 240  
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<210> 486  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907347H1  
 <400> 486

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 gttatgacgg agatcaggag ggagatcatt gcgaggctga cggagctgac ggaggaggat 180  
 ttctacgggc tcaggaccac gctcagccac attgcctcgc gccacgcgct catcgaagag 240  
 aaccagaatc atcgcgcgca gattggcgag 270

<210> 487  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907370H1  
 <400> 487

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 caatggcgga cgctgaaacc ttcgctttcc aggctgagat caaccagctt ctaagtctca 120  
 tcatcaacac attctacagc aacaaggaga ttttcttgcg tgaactcatc agcaatgctt 180  
 ctgatgcttt ggataagatt cgattcgaga gcttaaccga caagagcaag ctcgatgctc 240  
 agccagagct cttcattcgt cttgtgcct 269

<210> 488  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907378H1

<400> 488

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gaatcatagg agtaggaatg atgggtagag agcatcttgt gaatttgtag catcttcgca 120  
cccaaggcgt ggcagttggt gctattgctg accctcatct tccctctcaa caactcgctc 180  
ttgacttagc acactccttt acttggcctc tcaagggttt ctcagggtcac caggagctgt 240  
tggacagtgg actatgtgat gttttggt 268

<210> 489

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700907395H1

<400> 489

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actatggcca ccattgtcac attagtctc gcactagcat gttgtggcat gtctgccccg 180  
acctcagtgc cgaaaaccac tgcagcggcc ccggccccgg agagcaatgg ctgcttgatg 240  
gcactagcaa acatgtcaga ttgtct 266

<210> 490

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700907401H1

<400> 490

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atccaacaga aggagtttac agaaagctcg taaattatgt tcttgaaaag tacatagatc 120  
gattgttttg agctcgatta agtttgcta cggaagtaa tatcaattat tagttatggt 180  
gatgtcaacg aagacaatga gtattttgat ttgtcgagtt ttggtgtgat tgttcggtac 240  
ttttttaga tttcaatgtt c 261

<210> 491  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907407H1

<400> 491

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 ttaccaagac acattgtatg cccacgcca tcgtcagttc taccgcaact gcgaaatctc 120  
 tggaacaatt gacttcatct tcggctactc caccaccttg atccagaact caaagatctt 180  
 ggtgaggaaa cccatgccaa atcaacagaa tatagtggcg gctgatggca caggccagaa 240  
 gaacatgccc actggag 257

<210> 492  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700907410H1

<400> 492

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 agcaaagttc aagaagaaga agcttgttgt atatgtcctc ctcatggaag ggtgtcatca 120  
 tcagatgcaa atgcttttaa tcacgaggca agtcatttcc t 161

<210> 493  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907460H1

<400> 493

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 ccaccgatgc caaacgtagc gccagagact cccacgtccc cattttggca cccttgccaa 120  
 ttgggttcgc tgtgttcttg gttcacttgg caaccatccc catcaccgga actggatatca 180  
 accctgctcg tagtcttggg gctgctatca tcttcaacaa ggaccttggg tgggatgaac 240

actggatctt ctgggtggg

259

<210> 494  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907475H1

<400> 494

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ggcgttgaag gacacattct acatatctca tggatcacca actttgtcca tagatgaatc 120  
cattcaggcc aggaagtcc ttcagtcacg gaagaaggac gtgtttcctc aaagaccctc 180  
ttcaattctt gtcattctctg gtcattggga aaccgcagtt cccacgggtca acgtcgttga 240  
ctccatcaac gaca 254

<210> 495  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907502H1

<400> 495

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cttccagcac tgtgcaccgt catgggatgg agaagcctta atgaggggaac ttgattatgt 120  
tagtaggatc tttcatggga gtaaagaccc ccgaggaagg aagctatattt ggaagtgtga 180  
tgatctcaag gaaaaatttt taagtaaaaa aatggattca aaagctgttt gccgggcaat 240  
actgatgttt ttccaagagc ttg 263

<210> 496  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907508H1

<400> 496

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acgtcatcgt ttcgtgtgct gctaccgtct gggcgcacgt tagactacac ctgtcctatg 120  
 tcatttgctc catcctcgtg cccccctctc gtcgttttta aaccaaatac tattagttat 180  
 ttaatatcat taagatatta gtatatctat ttctctttct ctgtcataca taacctttta 240  
 caagagttat taaaata 257

<210> 497  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907511H1  
 <400> 497

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 atcagaattc caaaatctc ttctccaaag aaattggtgc tgtgggtcag agacgcctac 120  
 gtcaggatga tgctgggtat ggctaactcc atgggtgcct ccgccgtcgg ctacggcgga 180  
 gacgccgctg tcaccgcca gggtggattc gagagggccc caccgcccaa ggagtacgac 240  
 cagaagatga tcat 254

<210> 498  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907519H1  
 <400> 498

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 aagaatggag agaggttcgg gcaagctgag caggaagaaa agtgggtggtg gaaacggaca 180  
 ggttctagac ggttctaata ttatggagtt ggttggaac cagcaagttt tcaccacctt 240  
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<210> 499  
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<223> Clone ID: 700907525H1

<400> 499

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cgggtgcagg cccggttcgg gtttggcaag aagaaagccg ccgccccgaa gaaagtttcc 180  
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<210> 500

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700907528H1

<400> 500

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ggaggcacgt gggggttcga gtttcgaacg cgctgatcga accagacgga gggaagctgg 180  
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<210> 501

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700907534H1

<400> 501

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gcgataatac gaggtactac gaaatcctcg gcgtctccaa gaacgcttcg caggatgatc 180  
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<210> 502  
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tgtgtccctc ttttaagcta tttccttctc ttaacacaat tgggtgtgcc aattgccata 180  
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<210> 505  
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 tgccacatgt gtaagatct ccactgatgc ttccattaaa gaaatgattc cacctgggtgc 180  
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<210> 506  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907551H1  
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 tggcacatgc agctatcacg tgcgggcagg tgacgaatag cctgatcaat tgcacggtt 180  
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 ccgccgcaa gac 253

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 <223> Clone ID: 700907554H1

<400> 507

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tcttcacaag gcaaactctaa caagaaaaag tagtctctga agccgatcca gtgtcttggt 180  
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<210> 508

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<212> DNA

<213> Glycine max

<223> Clone ID: 700907555H1

<400> 508

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gttgatcatag gaaacaaaat agatattgat ggtggaaaca gcagagtggg gtcagaaaag 180  
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<210> 509

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700907566H1

<400> 509

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agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctctcag gaagcccatg 180  
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aaccggtgag ttcc 254

<210> 510

<211> 250  
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 tctctccttc ctggaacgcc tccaagaaac agccttcgaa accttcgccc attccaactt 180  
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<210> 511  
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 <223> Clone ID: 700907573H1  
  
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<210> 512  
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 <400> 512  
  
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tggccaatgt gctgagatct ttcgctgaaa ctctctctgt gttgacttct tcttccgagg 240  
attca 245

<210> 513  
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<213> Glycine max  
  
<223> Clone ID: 700907576H1  
  
<400> 513

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aactcatggg agttgacccct ggaactaacc ctgtttgccca tttccttgga agcaaggcca 180  
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tagtc 245

<210> 514  
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<213> Glycine max  
  
<223> Clone ID: 700907584H1  
  
<400> 514

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agttcataaa gttcacaggc ataggagtat acttgaggga taaggcgggtg ccatcactcg 180  
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atatcatt 248

<210> 515  
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<213> Glycine max  
  
<223> Clone ID: 700907585H1  
  
<400> 515

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agagaagtgc tctgatgtcg cctgctggtg gaattgatgg gaattcggcg gccttcagct 180  
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agctt 245

<210> 516  
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<223> Clone ID: 700907589H1

<400> 516

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cgagaaagcg acaccaatcc ttgcaataga gatggtggtt accagaaata ttgtgttgtt 180  
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caagta 246

<210> 517  
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<223> Clone ID: 700907612H1

<400> 517

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caacactttt caagcctatg gtggtaattt ccttgaccct tccattgaca ccaccaatat 180  
gaacctatgtg gctcaatcgg agagtgtctca aatcgaagcc gaagcaagag aatctatgtt 240  
gcatttgat ctct 254

<210> 518  
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<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700907613H1

<400> 518

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tccaactcgt cgacgatcac accatcgacc atgtgattnc gtggaagatt ctggatcncc 180  
cttcacgtc tggancacca cngctttngc caaggattgn ntcctanana attnaagggg 240  
aacaacntct cc 252

<210> 519

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700907621H1

<400> 519

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tacagagtgc agtgcacac ctggaagaag tgcgtatgaa ggcgatacgt ctggtggcaa 180  
ataagcttta tcctctgtca tccatttcta agcaaataga agatttttca aaggaaatgc 240  
ttttctccgt gatgagtg 258

<210> 520

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700907625H1

<400> 520

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agaacgtacg acaaggtttt gttctttatt ttatcgtcaa gagaaacaga ggaggttgaa 180  
gcaaagccag ggtaagagga gaaagatagt ctccctccat attgatttca attgttatga 240



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253

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<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907647H1  
  
<400> 521

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tcagttcagc atttgccaaa actgctagtc ctccctctct gagcccaact ccagcaccag 180  
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ccttccttgg 250

<210> 522  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907653H1  
  
<400> 522

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gcgctaacat tttgttgggt ggggccttct ctggagcggc catgaacccc gctgtgacat 180  
ttgggcctgc tgcgtgagc tggacctgga ccaaccactg gatctactgg gccgggcctc 240  
tcacgggtgg tgg 253

<210> 523  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907663H1  
  
<400> 523

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acacgccaga aggggtggaga tcggtgactg aggaatacag cgacaaagta atgggtctag 120  
 cttgcaagct catggaggtg ttgtccgaag caatgggggt agagaaagag ggtttaagca 180  
 aagcatgtgt tgacatggac cagaaggtgg tggttaatta ctaccccaaa tgcctcaac 240  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907665H1

<400> 524

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 cgtgacataa acgtgaatat aaatacgaac tcagtttctc aacactctac aatgggtgacg 180  
 acgcttctaa aattctaaaa ccctaaccct aaccctaagg aaaaaaaatc ccaatcttcg 240  
 caagactcga tgaacgtgga tca 263

<210> 525  
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<223> Clone ID: 700907716H1

<400> 525

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 cgacgttttg attgttaatg gagcagccgt agggactgcg ggctgggaat tgggcccgtaa 180  
 cccgctactg agtccgtttc ttataaacc aaataatcgg gtcgggtcga gatttgaggt 240  
 tcaaacatcg tct 253

<210> 526  
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<223> Clone ID: 700907759H1

<400> 526

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gatgtcctag aacctggatg tcattgcctg ccttggtgtc ttgggtacca gattgctggg 180  
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<210> 527

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700907761H1

<400> 527

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atggcacatg cagctatcac gtgcgggcag gtgacgaata gcctgatcaa ttgcatcggt 180  
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<210> 528

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700907781H1

<400> 528

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ttcaacccta tgggattcag tccatgctca aggaaggcca taagcacctt tctggcctcg 180  
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<210> 529

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<212> DNA  
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 gtgtggttca aggcggggtc ccagatcttc agcgagggtg ggctcgacta cttgggcaac 180  
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 cgacgtcgcc gaagtcgtga atttctcccc ttctcttcg gatgttgaag aaggcgaaat 180  
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<210> 531  
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 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700907805H1  
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 agatgccacc ctcaaaaact acnttgagaa acatggcaca ggtggtaact ggatagctct 180  
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<210> 532  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907809H1

<400> 532

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 tggaaaggggt attcttgctg ctgatgagtc aacagggaca attggcaagc gtttggccag 180  
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<210> 533  
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<223> Clone ID: 700907874H1

<400> 533

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<210> 534  
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 <213> Glycine max

<223> unsure at all n locations  
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<400> 534

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gaaaganaga aacgaagatg ggaaggggta aggtacagct gaagaggata gagaacaaga 180  
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<223> Clone ID: 700907906H1  
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atctgtactt cttgaagtta tcgacaacta caacagcatg atggttcctg cttctggcca 180  
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ctaattgctt atgggtgctt tcccatttca gtatcagatt ctagaggata tttggttgat 180  
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<400> 537

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taaaggcgaa aagttttcct tgcggatact ggtggaccat tctattgttg aaagctttgc 180  
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<210> 538

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700907935H1

<400> 538

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taagagtatt acgcgacagt atagcctttt tgctctgtat agtagtcaga ctctgactaa 180  
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<210> 539

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700907938H1

<400> 539

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attggttaaca tccaacaaca agggttccgg gtctccttcg accttgcggg ttctcgggtc 180  
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gtttctaatt atgatt 256

<210> 540  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907950H1  
  
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<210> 541  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907956H1  
  
 <400> 541  
  
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 gacccctca tggatgatga aaatcttacc tacaatagaa atattactcg ccagtatgat 180  
 cttaaagggtg ctctttatgc ccggtacaat tctgctgctg atggagctgg agatgttctg 240  
 tggatcagaa ctt 253

<210> 542  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700907958H1  
  
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atcttaccgg cgatgacaat cagtgccctg ctgcaaattg caaaagtcga ctgagcacat 180  
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<223> Clone ID: 700907970H1

<400> 543

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 tccttctcca gcccgagcc cctcaagttc tccagaacaa tcagagcagc agccgccgac 180  
 gagaccacag aggcaccagc aaaagtagag gctgcaccgg tcgggttcac cccaccagaa 240  
 ctgacccaaa cac 253

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<223> Clone ID: 700907989H1

<400> 544

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 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907992H1

<400> 545

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<211> 243  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907994H1  
  
<400> 546

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cacccaacca ggtcttcttt cattcatggc ggaggaactt atttctcaat taaacaatat 180  
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gag 243

<210> 547  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907996H1  
  
<400> 547

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atgtggcata tctctctcgg acactgtggt tgaaattggt ttccatttgt ttgatgcaaa 180  
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attgc 245

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<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700908079H1  
  
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ctctcttcga ccctaattct cgctntccc tctctccacc caaacctca cgcgccgtca 180  
tcgccatggc cggcaccggg aagttctttg ttggtggcaa tggaagtgtg acggaaaaaa 240  
gatcaatcag c 251

<210> 549  
<211> 143  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
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<400> 549

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<210> 550  
<211> 110  
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<223> Clone ID: 700908108H1

<400> 550

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atggcgatgt tcttgtcaat tcttgttctg tagatctgat gattgttggt 110

<210> 551  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908153H1

<400> 551

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 ttcaattttt tgatgtgaat cctcacaaca atgtctgggt tggaggaatt gagaaaaaag 180  
 cttgcacctt tatttgatgc cgagaagggg ttctcatcaa gttcaacgtt ggacccttgt 240  
 gattcttaca cattctcgga tgggtg 265

<210> 552  
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 <213> Glycine max  
 <223> Clone ID: 700908163H1  
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 gatgggaagg gggaagattg agatcaagag gattgagaac actaccaatc gccaagtcac 180  
 attctgcaag cgcaggaacg gcttgctcaa gaaagcatat gaatt 225

<210> 553  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908175H1  
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 tactgcagca ttctctggct cgtcaaagaa gttatcagac ttgaatgtgg ccgacataca 120  
 ttcatgggct ccagatttta gaagggttga ggatcttgta aatgaggaaa ttagagttag 180  
 attttctggg ggtaaattta ctgtattgaa tgagttggaa gcggttgatg cctctgtgaa 240  
 gatattatat cctactatcc 260

<210> 554  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908178H1

<400> 554

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ttcttacaat aagcttggag gaggctgtta tcagcgattg gagtttcttg gagatgctgt 120  
cttggtattat ttgattactt catatctatt ctgagcttat cccaaactaa agcctgggtca 180  
attgacagat ttgagatcat tgtctgttaa caacaaggca tttgcttgct tagcggtaga 240  
tcgcagtttt gataattttc ttt 263

<210> 555

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700908190H1

<400> 555

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ttcagaagag aacctaataca agttatagtt attggaggtc gttttagcat catgtgatca 120  
ttttccttat cctttgtaac cttcgggaaa tgtcacttgc accttgaaaa agcacgagat 180  
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<210> 556

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908207H1

<400> 556

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tttgagcaaa gacnacgttt ctgctttacg gaanattgat cctatgggtta gcaatganat 180  
tacgtctgaa gcactgtctg cggaggttga gggatatggt gcttcaaaac tgcctcttgn 240  
actcggntgt gaaatacttg cagcttgctt 270

<210> 557

<211> 260

<212> DNA  
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 <223> Clone ID: 700908241H1  
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 aagtttggtg ggcgtggcgc acgtgcgagg ttccagaagt cttaccgttg aaggagaatg 180  
 gtggtgtttt tgtgtttttt tgtttttggt tcggttcatt ttttatgctg tggaaaaaat 240  
 gaaaactttt gttggtggtt 260

<210> 558  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908266H1  
 <400> 558  
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 gattttctcc taaatgcatt tgggtgggaa aatgaccttg gtgcttgctt aaggggaatt 120  
 tctaccctaa atgcccacaa cctgacctca ctcttggtt gtccctcac tcagacctg 180  
 gtggcatgac cattcttctc cctgatgaaa atgtgtcagg acttcaagta cgcagaggag 240  
 aagattggat cactgttaag ccag 264

<210> 559  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908276H1  
 <400> 559  
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 caatcaatca agattttctt ttgcatggca ggaggaatcc aaattccaag ccatgtacct 120  
 ccatcttctg gtgctacca gccatttcca aagaatggct cactcatcca ggattttgtg 180  
 gaaagagact tttctttgaa caagctgggt tttgcaaag gttccctc caataacctc 240

aaggaatctg gaaatc

256

<210> 560  
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<212> DNA  
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<223> Clone ID: 700908279H1  
<400> 560

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cttcctcctt caattcaaatt gcatacatgt tctccctcc 99

<210> 561  
<211> 150  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908291H1  
<400> 561

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ggctattagc aaagttattc cacacaacat 150

<210> 562  
<211> 259  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908303H1  
<400> 562

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gttaattttt cgacattttt tgggtgtaaaa tggagggtgcc aactaggaga aaaccctga 120  
tctactggat ttgccttttc gtcattgtca atgcgtttgt acaaattagc aatgcatttt 180  
atcttccggg aagctacatg cacacttact caaatggaga taatatatat gccaaaggta 240  
attcattgac ttctattga 259

<210> 563  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908304H1

<400> 563

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gtttggtggg caatacagca atgaggtggc atgtgccagt tggaggcttg gcgtggaagc 180  
aaacaacgta gtcaagtggc aaactgttcc tgcagcttgc ggagagtaca tagctgacta 240  
cgttctagga gaccaatata 260

<210> 564  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908318H1

<400> 564

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gaacgaggaa ggacagatca ctgagcttta cattcctagg aagtgctccg ccacaaacag 120  
attgattacc gctaaggacc atgcttcggt tcagatcaac attgggcatg tggatgagaa 180  
tggcgtctac aatggccatt tctccacttt tgccctctgc ggattcatcc gtgctcaggg 240  
tgatgctgac agtgctc 257

<210> 565  
<211> 261  
<212> DNA  
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<223> Clone ID: 700908325H1

<400> 565

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gtcctcacia atgaaaattc aattgatttt ggcacaacac aaatgggagg aaagcttgat 120  
actgtaaagc ttctgcttg ggctgaaaat ccaattgatt ttattcacia gcaccggaag 180



gctctagaga gcgagtatgt atctgctcat ttgcatgagt ggattgacct catatttggg 240  
tataagcaac gaggcaagga a 261

<210> 566  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908327H1

<400> 566

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gaatattatc ggaaagggtgc ctgttttttg aatttgcatt ggccatcaat tgctaggcca 180  
ggcttttagga ggtaaaacct tcaagatgaa atttggcac catggaggaa atcaccctgt 240  
tcgtaacctt cgaagtgg 258

<210> 567  
<211> 255  
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<213> Glycine max

<223> Clone ID: 700908337H1

<400> 567

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agaatgatgt tcttcttctt ggtgatgac cttggcagga gtttgtgaac aatgtgtggt 120  
acataaaaaat actatctcca ctagaagtgc aacaaatggg caaaggctctt agtccttcta 180  
cttctgcccc aggtaacaaa ctttctactc ctgccaaactc ttgtgataat tatgtgagtc 240  
aacaagagtt gagaa 255

<210> 568  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908340H1

<400> 568

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 caaatgcata gttcatttta tggttcagac caatcaaccc gtagactcct tataagtgcg 120  
 cagaagttca agtgtagaga atgagtcagc ctaagattaa acgccgagtt ggtaaatacg 180  
 aggtggggag gaccattggg gaaggtacat ttgcaaaggt gaaatttgca aggaactctg 240  
 agacaggaga gcccggtg 257

<210> 569  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908351H1

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 gtttatgaag ggactttgga tggcacgagg gttgctgtga agaaacccat cttgtcaact 180  
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 ggaatagcaa cac 253

<210> 570  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908354H1

<400> 570  
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 ccgtagcttg ttcatttggt gatcttcaat tccctaattg gcaactaacc tacgtatctg 120  
 gtgaggggtct aagtaccagt gctttcctac ctgtttgtgg aggtcttctt caagctcagg 180  
 gtcaatatcc tggggaaatg agattcagct tttcatgcaa gaataagtgg ggaacaagaa 240  
 tcacaccaat gg 252

<210> 571  
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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908357H1  
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 ttgttttcta tgtggatgac tacccaataa gggTgttcaa gaacagcaat gacttgggag 180  
 tgaagtTccc atttaaccaa ccaatgaaga tatacaacag tttgtggaat gctgatgact 240  
 gggccacaag gggT 254

<210> 572  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908358H1  
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 ttactgggga aatgtgaatc caattggtga gaggagtTgt tacgatgaag ggaaaaggat 180  
 tgtggagacg ttggccatgg attatcatcg gggTgctggt gttgaggTca aacatatgag 240  
 aggcaatcca tcc 253

<210> 573  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908360H1  
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 gccaaGtcag tgccatcaca agttcgcatg gggaagggaa agcccacgag attgcagcct 180  
 atgatgaaga atgttaatga agggaaaggt atatTTtgcac ctcttTgtggt gatcactcgC 240

aacatcggtg gcaag

255

<210> 574  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908365H1

<400> 574

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tggtgttggtg acctgggtgtg ataacaagga agaaactgag ttggttggtc tgttccttgg 180  
ggacacttcc aaggctcaca aggctggtga attcactgac ttttttctga ctggttccaa 240  
tggaatcttc 250

<210> 575  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908373H1

<400> 575

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tcgtggaaga gatgaggttc gtggcgatga ggctgcacac gagggaccag gccagggagg 180  
gcgagaagga ggtcaagcag cccgaggaga aagccgttac caagtgggac ccatccgtcg 240  
aagggtacct gaaa 254

<210> 576  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908374H1

<400> 576

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gaaaccctct tcggcttgac acgagcctcg aagtggatcc ttcgcgacac gaaaatgacc 120  
 ctagcaccca tggttgctgct ggagaaccac ccaattcacc tgaaccctgc gcactacatc 180  
 agtgagatta ttagagaagg cacaaaaaat ggcactgctt tctttaagtg ccatggacat 240  
 gagcaatttg ag 252

<210> 577  
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 <213> Glycine max

<223> Clone ID: 700908376H1

<400> 577

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 caacatcaaa taatgggaaa aggaacatg gaactcgaga caaacaaggt ctatgactac 180  
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 tggtttcaag tg 252

<210> 578  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908382H1

<400> 578

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 caaaatctta aatttcttgg aaccctttta attgtttttt ttcttttaaaa aaatcatttt 120  
 cttttaaact tcaaatttag agttctctct ctgattcatc cccagcaatg gcttgtgcat 180  
 tgcaagcaac cttagcagcc aacgcctatg tcttttcttc caggagattc tccttgaagc 240  
 tccaaaag 248

<210> 579  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908389H1

<400> 579

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tagtttccgg ctgtcacatt ttgcaagtgt cttatcgaag cctgaatttt tatgttaaag 120  
atataagata ctctgatatc gtatggagtt gtcattctta ttatggctga gttacctgag 180  
taaagttagta atcaggggaag ggaactatct cccttaaccc gtatatgg 228

<210> 580

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700908396H1

<400> 580

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tttgtgcaag gttttaaaag atggctgatg ctgaggacat tcaacctctt gttgttgata 120  
atggaactgg aatgggtcaag gctgggttttg caggtgatga tgctcctagg gccgtgttcc 180  
ccagcattat tgggagacca cgccatactg gtgtaatggt tgggatgggt cagaaggatg 240  
cttacgtggg tgat 254

<210> 581

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700908409H1

<400> 581

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ggtccataca ttgctgggga gaaagtcact gctgttgatc tgagtttggc accaaaactg 120  
taccatcttg tggtagcact gggccacttc aagaattgga atattccaga aagtttggta 180  
catgtgcaca attacactaa gctgctgttc tcccgagagt catttgagaa aacaaagact 240  
ccaaaggagg aatatgttat t 261

<210> 582  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908411H1  
  
 <400> 582  
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 aagtcaaacc agtatccaaa tacatccctg atccaaattg aggggtgtgaa tgccaaagaa 180  
 gaagtagcat ggtatgctgg caagaaaatg gcctatatct acaaggctaa ggtgaagaag 240  
 aatggaagcc attaccgc 258

<210> 583  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908415H1  
  
 <400> 583  
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 ctgcaattcg gatttgcggg tatgaacata atcactaagg tttccctcaa cctggggatg 120  
 agccactatg tgcttgtggt ttatagacac gcctttgcta ctgcagctat tgctcttttt 180  
 gctattgttc tagagaggaa agtgaggccc aagatgacat ttctcatgtt catgcaaata 240  
 tttgtgttgg gt 252

<210> 584  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908424H1  
  
 <400> 584  
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 ctgtatgtat gtgtggcaat cttgaaacga tatcgtggta aaataattgg agagcaaattg 120  
 gacttcgaca cccttttgaa gtttattaat gagttaagtg gtcacatcga tcttgatgca 180

accctcagag atgcagaggc tctatgtata tgtgccggtg agaacggtgc tgctcgtata 240  
 cccctggaa cccaccgtc g 261

<210> 585  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908428H1

<400> 585

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 ngacgcgaac ttcgaagatg accaactagc caatatgacc accgacgaca tcgtcngagc 120  
 ttctcgtctt ctcgacaacg agattcgcac cctcaaggaa gagttgcaga ggaccaattt 180  
 ggaattggaa tcgtacaagg acaagatcaa ggagaatcag gagaagatta agctcaataa 240  
 gcagttgccc tac 253

<210> 586  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908429H1

<400> 586

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 cagactgtga aactgcgaat ggctcattaa atcagttata gtttgtttga tggatatctac 120  
 tactcggata accgtagtaa ttctagagct aatacgtgca acaaaccccg acttctggaa 180  
 gggatgcatt tattagataa aaggtcaaca caggctctgc ctgttgcttt gatgattcat 240  
 gataactcgt cg 252

<210> 587  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908434H1



<400> 587

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ttgagccata caacagtgtc ctctccaccc attctctctt ggagcacacc gatgttgctg 120  
tcctcttggga caatgaagcc atttatgaca tctgcagacg ctctctcgac attgagcgtc 180  
ccacctacac caacctcaac cgccttggtt ctcaggtgat ttcattcttg actgcttcct 240  
tgaggtttga tgggtgccctg a 261

<210> 588

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700908435H1

<400> 588

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gaaactgcgg aagcattcct tggaaagaaa attaatgatg ccgtgggtcac tgtcccagct 120  
tacttcaatg atgctcagag gcaggccacc aaggatgctg gtgtcattgc tgggtctcaat 180  
gttgctagaa ttatcaatga acccaactgct gctgccattg cctatggatt ggacaagaaa 240  
ggtggcgaga agaacattct a 261

<210> 589

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908444H1

<400> 589

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attcttcttg cattattgtt ccatatatgg tcttgtaaaa cttccgtctc ctttttatca 120  
gctatgtgta acaaagatag caaggttttc aacatgttag acaatatggg acttgatca 180  
aaacctcaca gatgtccaat tcctctttcc aatgaccctg ataaaatagt tatcccaact 240  
ggaagaactc c 251

<210> 590

<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908467H1

<400> 590

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tggtagcctc aagcatcctt gagccaggag ggtttttggg tgacgagctg ctttcatggt 120  
gccttcgcag gccgtttatc gatagacttc cggcctcctc ggctacattt gtgtgtcttg 180  
aatcatcaga agcctttggc cttgatgcc aatcacttgag gtacatcact gatcacttcc 240  
ggtacaaaatt tgcga 255

<210> 591  
<211> 152  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908471H1

<400> 591

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tgccctggtgc tttactcttc cagtttatgg gcgtgcatat tctgccttgt gttataaact 120  
catgagttat aattacatcc gattcatttg ct 152

<210> 592  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908472H1

<400> 592

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ttagctccag aggaccaa at gcactcacc ccaagattct caaacccgat ctaatagcac 120  
caggagtcaa cattttagcc ggttgaccg gtgcggttgg accaactggg ttgactgttg 180  
acacccgcc a tgcagcttc aacataattt ctggaacatc catgtcatgc cctcatgtaa 240  
gtggcttagc cgca 254

<210> 593  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908473H1  
  
 <400> 593  
  
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 tacattgatg atttgattga cgctgatggg tatttgccat ggcaaggact agaggggcct 120  
 tctggtatgg atacttgctt ctatgccgag taccacaaca ttggccccgg ttcagacaaa 180  
 tccaagcgtg tgaaatgggc tgggatttgg aacctcaatt caaaagcagc acgttggttc 240  
 tcaccatcta a 251

<210> 594  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908476H1  
  
 <400> 594  
  
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 tgttgtttat atttaacaac ctagagttaa ggattttttt tgtgctaatt agatttaagg 120  
 atttttaata atggacataa aagtgttttc ttccggagtt cagtactcaa atctgccgga 180  
 gagttacatc cgacccgaat cggagcgacc tcgtctttcc gaggtttcgg agtgcgagga 240  
 tgttcc 246

<210> 595  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908478H1  
  
 <400> 595  
  
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 atgttgctct tgcttatctt ggatgccttg aggaaaaaga attcaccgat cttgtgttgc 120

atgagtataa aactgctaca aatatgactg agcagtttgc tgccttggct gccatagctc 180  
agaaccctgg taaaaccctg gatgatgttc ttgatgactt ttatggcaag tggcagcatg 240  
atct 244

<210> 596  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908481H1

<400> 596

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ttcaaaactt agttgcttga gttggaataa atatgctaag aatcaaatac ctagtagtga 120  
ttatgaagga attgtgactg tttgggatgt aaccactcga aagagtttaa tggaatatga 180  
agagcatgaa aagcgtgcat ggagtgttga tttttcaaga acagatccct ctatgcttgt 240  
atctggtagc gat 253

<210> 597  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908483H1

<400> 597

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actttacagg tggtgacaag ccttatctaa taactggttc tgatgatcac actgccaagg 120  
tatgggatta tcaaaccaaa agttgtgtcc agactctaga aggtcacaca cacaatgtat 180  
ctgctgtatg ctttcacctt gaactaccta taatcattac tggctctgag gatggcacag 240  
tgcgcatttg gc 252

<210> 598  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908484H1

<400> 598

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gccgcaacga aagcgattaa ggagtggggg caaccaaagt caaagatcac acaccttggtg 120  
ttctgcacca cttcaggcgt ggacatgccc ggagcagatt accagctcac gaagcttctc 180  
ggcctgaggg cctccgtgaa ggcctcatg atgtatcagc agggctgctt cgccggcggc 240  
accgtactcc gcc 253

<210> 599

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908487H1

<400> 599

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acaacagggt tgacctcttt tctctacgat tcttcttctc ttgctgcttc ttctgctggt 120  
agcgttactc ccacttcctc actgcatca ttgttcctta agtccttgcg aggttttagac 180  
ccaacgggtcg taatcttggt cgacgaagat gcggatttga cttcgaacaa cttgggtatgc 240  
agactaagat c 251

<210> 600

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700908512H1

<400> 600

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gtctggggat gtttgtggtg tgcttgtgca gtaccctggc actgaggag aggttttgga 120  
ctatggagag tttgtgaaga aggctcatgc tcatgagggt aagggttgta tggcaagtga 180  
tttgttgga ctgactgtgt tgaagcctcc tggggagttt ggggcagata ttgttg 236

<210> 601

<211> 256

<212> DNA

<213> Glycine max  
 <223> Clone ID: 700908519H1  
 <400> 601

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 gctagacatc aaaggctacc tcgtactctt ctctctatgg ttcatatcaa ccattctgat 120  
 acgttccatc ttcaagaaac cacagcgtct aagactccca ccgggtcctc caatttcaat 180  
 acccttgctg ggacacgcgc catatctccg ttcactgctc caccaagcat tgtacaagct 240  
 atcactgcgc tatgga 256

<210> 602  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908540H1  
 <400> 602

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 ccattattta attggtccgt ttttataatt ggggttgctg gctgaactaa ttaatcattt 120  
 ggggttgag gaacaagagg agtgagagct tcaatttttc tgtttttaaa aattagggtt 180  
 tcttcatttg gtacccgatt cccttgtttc ttgggcttct ggaattgatg caaatttttag 240  
 g 241

<210> 603  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908543H1  
 <400> 603

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 gttttatttt ttttgaagct ctttccgctc tctgcaatgg tggagatttg agttactgtg 120  
 tcgcgtcttt ctccgagttc aacctcaacc gttcaaaatt atgcttctgg gttttcgtca 180  
 tttcagacaa aagtttctat ttttgagggtg tttctgagca gttacaactt tttct 235

<210> 604  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908550H1

<400> 604

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 tcaagaactg gctcagcgct gttatctcgt accaacaggc ctgcatggag ggttttgacg 120  
 atggcaaaga aggtgagaag aagatcaagg agcagtttca taccgagacc ttggacaatg 180  
 ttcagaaact cactggcatc acccttgaca ttgtgagtgg tttgtccaac atcctcgaga 240  
 agttcggggt gaag 254

<210> 605  
 <211> 232  
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 <213> Glycine max

<223> Clone ID: 700908559H1

<400> 605

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 tctttgatga tatctccact gagaaggcac aagctatcat gttgttggtt ggcaatagct 120  
 tatctgcagc ttctaacatg gcacagccaa atgttcaggt gcctatctcg aagttgggtg 180  
 ctggtgctgg tgtgcctgtg agtcaacctg caaatacatc acctggctct gg 232

<210> 606  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908561H1

<400> 606

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 ttcttactgg ccttgaagca gagtcattga tgttttatttc agtacccttt ggtgaagaca 120  
 acataacatt ctatgatcgc ataactagtg ccttgagaga aagtgatgct atagccatta 180

gaacaagtag ggaaattgag ggtaactttt gtgactacat tgcattcacag t

231

<210> 607

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700908566H1

<400> 607

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cagagatgaa gttatctcat attggctctt cccaatgctg ttctgggtcaa agagattcct 120  
gtgctgggtg aattcaaaac aaggaacagg aagagaaatc caataagggt ttattgggtg 180  
gaagtgggga atatactctt gtttatgagg ataatgaagg agacaggatg cttgttggag 240  
atgtgccgtg gca 253

<210> 608

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700908570H1

<400> 608

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aggTgtttat caattggtat ttgtgtttat tgTgtatct aaaaaattat atattTTaaa 120  
taattTgtg acgctatata ttaatcaggt 150

<210> 609

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700908571H1

<400> 609

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accggttcag tggttgctgt tgatcaggac cccaacactc gctaccctgt tgtgggtcga 120  
ttcaacaaag tcaactatgc caatgtatca acaacaact atgctttgga tgagatcgtg 180



gaagtcgaat gaatccaact taattgtaat tttgatactt gtcatgctat cgcagttac 239

<210> 610  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908575H1

<400> 610

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tatggctggt ttctacatgc tgcaaagtgc aagctctttt ctgcctgtta tggctttggc 120  
tcctcaagag aaggaacgtg tcattgatat ggcagctgca cctggtggtta aaacaactta 180  
cattgctgct ctaatgaaga atactggaat aatatttgca aatgaaatga a 231

<210> 611  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908576H1

<400> 611

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cggaatgaag atggctctgg aggattgtaa ggacttggtg cagtccgcc tccacgacct 120  
agaggcctca ggcgtgttgg tcaaagagag cagcctacag gacgtgcacc agcgcaccgc 180  
cgagctcaag aactgggttg gagccgttgt tgcctaccag caatcgtgcc 230

<210> 612  
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<213> Glycine max

<223> Clone ID: 700908577H1

<400> 612

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tactttgcag aaccctaacc cttagccctt cgcctacctt gtaaccttcc tttcgatcct 120  
tcattctgca gacaatgggt gaaactaagg acgaagcata cgaggaagag cttctcgatt 180

acgaggagga agacgacaag gcccccgact ccgccggagc taaagtcaac

230

<210> 613  
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<213> Glycine max

<223> Clone ID: 700908579H1

<400> 613

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gtgctggtac agagttgaaa tacggggccat atgaaaatca tcccccgat tcatattctc 120  
ctgtacttat tcattttgaa aataacaatg catttgctgt tggtgaggag ctagaacgtg 180  
aaattgaaat atctcactgg ggaagcattc aagtcactga gcaatatag 229

<210> 614  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908582H1

<400> 614

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tgatgaagcc cgaatgcttc aaaatgtaga agcatgtgaa tggttgacca gtgccttgcg 120  
tggtcttgaa atgcctaadc tagaccctag ttatgcaaac atgagagctg ttaaagagaa 180  
gcgtgcagaa cttgaaaaat taaaatctac ttttgtcagg agagcctctg aattcttgag 240  
aaattatttt 250

<210> 615  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908584H1

<400> 615

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atctacaact cgagcgcgtg aacgtgtact acaacgaagc ttctgcggg cggtttgtcc 120

cacgcgcagt gctgatggac ctggagcccg gaaccatgga cagcgtgcgg actgggccgt 180  
acgggcagat attccggccc gacaacttcg tgttcgggca gtccggcgcg ggcaacaact 240  
ggg 243

<210> 616  
<211> 238  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908586H1  
<400> 616

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tctcatcacc tcgtgaattc atagaggatt gcactttagg tggctacaat gtcaaaaaag 120  
gaactcgtct aattacaaat atttggaga tccacacaga tcttagtggt tgggtcaaac 180  
cattagagtt caaaccagaa aggttttctaa ccaccataa agacattgat gttagggg 238

<210> 617  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908590H1  
<400> 617

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gccgtcacga agaaaagata attgctgatg acagtatgga tgaccaaacc caggaaatca 120  
aagatgatga agatattcta cctatttcat ctctttacaa gaataaagcc tctcaaaggg 180  
tcttggacga ggaaatggat gctagtgttg acagacaggc aggtgatgcc 230

<210> 618  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908591H1  
<400> 618

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ctgtttctcaa ctgtgtttct ttacctctca cctactttca gaccatacca ggctgagaag 120  
 atgcagcaga caccgcctat gattcctatg atgccttcgt tcccacctac gaacataacc 180  
 accgagcaga ttcaaaaata ccttgatgag aacaagaagc tgattctggc 230

<210> 619  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908592H1

<400> 619

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 tctcagctcc ctccgctacc gcgcgctcgc tcccgatctc cgtggctacg gtgacaccga 180  
 agcaccacct tcaatcagca gctacaactg cttccacata gtgggtgat 229

<210> 620  
 <211> 273  
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<223> Clone ID: 700908601H1

<400> 620

caatagcaag tcggtcgctc agacacgcac agatctgata tgatctgata tatctgaagc 60  
 cgaaaacgcc gacgggtgatg atgaagatgg ggtgttcacg ttgctccttc ttctctctcc 120  
 tcctctctctt agtggcgctc ttccctctcg cgctctccga gatccgcttc tccgagatcc 180  
 gaaacgacga tcgccgcata atccccttcg atcagtttgg attcaccac aagggtcgcc 240  
 ttgagctcag cgtttccaaa atctcactct cca 273

<210> 621  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908610H1

<400> 621

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ccatgggaag attatagatc ctcacacagt tgatgttaat ggaaagctat attcagccaa 120  
acacatttta gttaccgttg gaggtcgccc cttcattcct gatattcctg ggaatgaata 180  
tgcaatagat tcagatgctg cccttgattt accaacaaaa cctgagaaaa tagccattgt 240  
gggtgggtgt tacattgcc 259

<210> 622  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908640H1

<400> 622

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gcggaacggt gaagaaagta accgatgtag cattcaaggt ggaaggaac atcgattggg 120  
atggaatggc gaacttctcg tctccgatga ggctcgcagg gagttctcca atctccgtcg 180  
cgctttcgac gaggttaact cccaactcga aaccaagttc agccaggaac ctgaacccat 240  
agactgggat tactata 257

<210> 623  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908645H1

<400> 623

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gattctcatg tgccggtttt ggcaccactt ccaattgggt ttgctgtgtt catggttcac 180  
ttggcaacca tcccagtaac aggcactggc attaaccctg ctaggagcct aggagctgct 240  
gtcatgtaca accaacaga 259

<210> 624  
<211> 253  
<212> DNA

<213> Glycine max

<223> Clone ID: 700908658H1

<400> 624

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aacagacaga agattttgct tcatcatctc aacccttcat catccacca cccaacgaa 120  
tcatcctccc tccatgcttc agcatgtgtg gcgggggata gcgctgctta tcaaaggaca 180  
tcgacattcg gggacgatgt tgtgatcgtg gctgcttacc ggactgctca ttgcaaagct 240  
aaacgaggtg gtt 253

<210> 625

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700908666H1

<400> 625

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gatcccgatga ttcggatccc caacaaaaaa agaaacctcg tatttggtat tttcgtcgga 120  
tccggttggg aacgctcatg acgcggcggt gctcgcattg cagccacaat gggcacaact 180  
ccagaacctg ccctaaccgc ggggttaagc ttttcggggt ccgattaacc gacgggtcga 240  
tccggaagag cgccagat 258

<210> 626

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908674H1

<400> 626

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aaagttttga cttttgagtt gtttcggaga catcacatat tgtagtgaca aggtgataat 180  
tttggcaaga tgaaaaattc aagaggacgc agcatgaaac atgcacattt atttcattgt 240

gaagatcaaa

250

<210> 627  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908678H1  
<400> 627

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gtgtgttttt tccccctttc ttttttcggt ggtgggatgt gttggttaga aaacatgcag 180  
tgagtatcta aggcccatTT ttcactaatg tagggaatca tcagccgttg taaatctgta 240  
ttaaactgtt gagtat 256

<210> 628  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908693H1  
<400> 628

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aaaggattat atggagctgg agctcact gactatgggt taattacact gttagcaaca 120  
gatgatgtct cgggtcttca aatatgcaaa gatagggatg ctaaacctca gaaatgggag 180  
gatgtagcac cattgaagg agcattcata gtgaatcttg gtgacatgct ggagcgctgg 240  
agcaactgcg tttt 254

<210> 629  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908708H1  
<400> 629

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gtgctacgga cgcacagtat gctgatttcc atgacatttt aaagcatttt attgacaagc 120  
 ggattatgag ttgtcatctg cccaccaca aaagatcttt ttgtagaaag gaactaattg 180  
 ttgtgccagc agagaacctt attttgttat gttataagaa tattgttctg ttccctgtcc 240  
 ctcccccttc 249

<210> 630  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908709H1  
 <400> 630

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 aagttgccaa agatgggtgtt tgactactac gcatctggtg cagaggacca gtggactctg 120  
 caggagaaca gaaatgcctt ttccagaatt ttgtttcggc cacgtattct tattgatgtg 180  
 agcaagatag acatcacaaac tactgtcctg ggcttcaaaa tatccatgcc aatcatgctt 240  
 gcccacacag c 251

<210> 631  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908710H1  
 <400> 631

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 cgcattcctc tcaacatttt tgtgtgtgtt gtgctgtaca atgttgatgc attccctatc 120  
 actgttatgt ttggcatgtg ctcaattttc cttttggtgg cttgtatctt gcaaaggcga 180  
 ctgatggtga tttccgataa gccaaaaaca gaagattggc aattgaagga tagggacgca 240  
 gagtcaga 248

<210> 632  
 <211> 249  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700908712H1

<400> 632

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gagaggtgat tgcaaggatt gcagagggaa ccaaagaaga cattgacctt gccgtcaaag 120  
cgtctcgtct ggctttcgac catggtccat ggctcgtat gcctgccgta gaaagagcaa 180  
gaattatgat gaaatgggct gacctaattg accaacacgt agaagaaatt gcagcactgg 240  
atgccattg 249

<210> 633

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908714H1

<400> 633

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ggtagtgccg gagagaaacc cattccactt ggtgagaacg ttctgcagaa gcatgctgca 180  
ttctttgact tgaataaaga tgggtgtcatc tacccatggg agacttttaa agggttgcgt 240  
gaaatcgga 250

<210> 634

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700908719H1

<400> 634

ggaaaattca acctccatgg agttttggga gagattgttg aactgataaa accaatagca 60  
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ggtgatgaaa agcggcttac acaaactctt ttgaatgtcg tgggtaatgc tgtcaaattc 180  
actaaggagg gctatgtttc tgtaagagta tcagttgcaa aaccagaatc ttcacaggat 240  
tggcgacctc cagagt 256

<210> 635  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908745H1

<400> 635

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 ttccaccagt accaggtggg tgggagggct cttcccacgg aagcagatca gcaccccaag 120  
 atctaccgaa tgaagctctg ggccaccaac gaggttcgcg ccaagtcaa gttctgggat 180  
 tttctgagga aactgaaaaa ggtgaagaag agcaatggcc aagtgcttgc catcaacgag 240  
 atttttga 248

<210> 636  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908749H1

<400> 636

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 acttgcttct gcttccttcg ccgccaaccc aagaacacca attgatgtgc catttggcag 120  
 aaactatgtg cctacttggg cctttgatca catcaaatac ctcaatgggtg gttctgagat 180  
 tcagcttcat cttgataagt aactgggtac tggcttccaa tccaaaggat cctacctgtt 240  
 tggtcacttc agcatgt 257

<210> 637  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908751H1

<400> 637

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 cacctgcaac gatgtcgggt aaggagtgcc accaccacca caagggaaag aagcacaagc 120

tctggagacg catcttctgg ggaatagtga tcttcgcctt catcgtgtta ctgacagttc 180  
 ttataatctg ggcaatccta aagccttcaa aaccaacctt catcctcaa gacgtcaccg 240  
 tttacggctt caa 253

<210> 638  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908755H1  
 <400> 638

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 ttggcaaagc aaggtgtact agtttcagag atcgcatata caatcaaacc aacattgata 120  
 gaacatttgc attggccagg cagaggaggt gtcctaggac taatggcaca ggtgacaaca 180  
 atctagcaaa tctagacttc agaactcaa atcattttga caacaactac ttcaaaaacc 240  
 ttct 244

<210> 639  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908757H1  
 <400> 639

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 tttctcaga tcagatcttc acgccgttat gcttagaaca ttagctaggg tgttcaagcg 120  
 agccaccctt gccaatgact tgcttcaaaa acgcagcaga ttctatgcaa ccacggttgg 180  
 tggaagaagt gacaggtag aaggaaaagt ggcaactcata actggatcag caagtggact 240  
 cggcaa 246

<210> 640  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908761H1

<400> 640

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gggaaacata gggtgcaagc agccataacc aacctcaata accaaattag tattttgcag 120

gaagaattgg aaaaagttga aacaattggg gaatcctcca ccgtttgcaa ggatttaatt 180

tcaagcgttg aatccattcc agatcctctc ctccattca ccaaaagttc agttgatgct 240

ggttgg 246

<210> 641

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700908775H1

<400> 641

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gaacttgac ttggtttatt gggtttggct ctgtttctgc acttgctcc cacaccact 120

gcaaaatcaa aagcacttcg ccattctcca aaccaccaa gcccaaagcc tcgtcttccc 180

ttcataggac accttcatct cttaaagac aaattctcc actacgcact catcgacctc 240

tcca 244

<210> 642

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700908776H1

<400> 642

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tggtttttct gcgatcattt tccattgggt ggaagaaagt ctcaaccttt agtcgaaaga 120

gcaaggatct gagtgagtga gcgatcatgt gtgggtgtgc gattatctcc gacttcattc 180

cagcgggtcc cgccggcggg gcgcacgcgt gaccgccgac atcctgtggc cgaatttgag 240

g 241

<210> 643

<211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908782H1  
  
 <400> 643  
  
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 agctgaatta ctactctaaa agctgccccaa aagctgaaga gatcatcaag gaacaagtca 180  
 cacaactata taacaagcat ggaaacactg ccgtttcgtg ggtcagaaat ctcttccacg 240  
 attgcgtggt ta 252

<210> 644  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908825H1  
  
 <400> 644  
  
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 gaaatttctc catacagtat ttttttttat cagcatttct ccaattttgt gagttaagca 180  
 gcctaacttg atgcagcata taaactctca ttggttactt ttgtgcttgc ttgctagcag 240  
 ttttatattt agttttgtta 260

<210> 645  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908847H1  
  
 <400> 645  
  
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 tctcattgcc gctgcctcca tgagtgcagc attggctacc acagaggtct ctgcacccgc 180

ccctggccct agcagcgggtg cctccgccgc cactgttggc tccttggttg gtgcctcagt 240  
 cttgtccttc tttgccttgt tcca 264

<210> 646  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908867H1

<400> 646

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 caagaagcct gaagattggg atgatgagga agatggtgag tggacacccc ctaccattgc 120  
 caaccctgat tacaagggcc catggaaggc aaagaaaatc aagaacccca actataaagg 180  
 aaaatggaag gcaccattga ttgataaccc agatttcaag gatgaccccg acctatatgt 240  
 tttccccaac ttgaag 256

<210> 647  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908871H1

<400> 647

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 aaccagagcc accaagaaga acgagctctc gcccgcaccc gattccaacc ccgatcaatc 180  
 tcctctggaa cagaaatcgt taggcagtgc tagcagcgca aaatctgtga aaaagaagac 240  
 tccggggaga tcgaga 256

<210> 648  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908904H1

<400> 648

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tgctctcaga tctcaacaan ctnaancntc ancgatacca ccgagnaggt gancgcagan 120  
tacatntgnt tcngtgnatc aggagtngaa cctgtggagc anggcntgga ctctcccang 180  
ancagttagc gaccctacag aagcttccca agtgggactn ngntgnttcc aagcgcnggt 240  
caagctnctg gtgaaanaca gtgaaat 267

<210> 649  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700908915H1

<400> 649

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ccttcgtgaa ggatcctgat ggttatgctt ttgagctcat tcaaagacct tcaaccctg 180  
aaccattgtg ccaagtaatg cttcgcgttg gtgatttaga gcgctcaatt aagttttatg 240  
aaaaggcttt gggttt 256

<210> 650  
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<213> Glycine max

<223> Clone ID: 700908919H1

<400> 650

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ctgtttggcc aaacactccc attcccactg cactgcgaga gcttctaaag cctctccctg 180  
caggtgttga aatcgatgaa ctccctaagc aaattgatga tacacagtac ccaaaaacat 240  
tcttctataa agaagacctt 260

<210> 651  
<211> 258

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908934H1  
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 cgttcatttt ctcttctggg ccaattccta caaatacaga tgttcaacca aaccgggata 180  
 tactagctag aacgtacaaa cctacctgca tttatgaatc tatttggata taaaagtaga 240  
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<210> 652  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908938H1  
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 aaactcatta aaatgttgcg agagaaaaac aaaacagaaa aaaaattcag ttaattatta 180  
 aattttgtta tggctttcca cgaccatctc cagcacgaga tagcgttcca gcgtttcacg 240  
 gaggagcaag agttgaa 257

<210> 653  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908950H1  
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 tccttggttt caagttgggt tcatgaggcc aatcggtttt tctattaagg agtcttacgt 180  
 tgaagacaac attgatttcg acgatgtgga gaacaaccag gaggaggagg ttacaatgag 240



gaaacctgcc aggccg

256

<210> 654  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700908953H1  
  
<400> 654

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tgtgtccacc gccgcggtca ttctcttctt cgtggcaacg ctcacgtggg acgtctcgcg 180  
taaggccacg tgtgcctttc acagagacca cgctgacagc caagaggatg tgtgcaaggg 240  
aggtatctgt tgg 253

<210> 655  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700908960H1  
  
<400> 655

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ggcggtgact caaggcttct gagatgttga aggacacgat ggatgagaac agaggacgag 180  
gctaagggtg tggatttgat ggtgcaggag ggggaggagc cgggtacttt gacatacaat 240  
gttgttgt 248

<210> 656  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700908961H1  
  
<400> 656

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 tacgggatta ggcataatgg ttcttcagtt acaagatatt ttcataggat gatttgggtc 180  
 aaatcttgtc tgttgattca ttattgaagt acagttggtt tgttgatatt tttttattc 240  
 ctctgaaag 250

<210> 657  
 <211> 123  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908963H1  
 <400> 657

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 tgt 123

<210> 658  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908967H1  
 <400> 658

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 ctgaaccaga tctacacgcc gatgggtggt ttggcctggt ctttcataga tctgatgcat 180  
 ggaggctcag atctactgta cagaggtgtg cgattcatgt tcgtctctct tttggaatct 240  
 gtttcgtaga aa 252

<210> 659  
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 <223> Clone ID: 700908972H1  
 <400> 659

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 cgctaagata ccttcogttg gtttggaac gtggctcgct gaacctggcg ttgttgctcg 180  
 cgccttggcc actgcaataa acgttgata tcggcatata gattgtgcgc aaatttatgg 240  
 caatgaaaag 250

<210> 660  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908974H1

<400> 660

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 gccagtgaag gatgttaact taggtcctga tagcactgaa ttctatctcc aagccaatgt 180  
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 aataacttgg 249

<210> 661  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908975H1

<400> 661

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 ccagaagtgg gaagggtgag catgaggaag accgtcacca agcaggtctc ctcaggaagc 180  
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<210> 662  
 <211> 247

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908978H1  
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 tttttagtaa gatcatttct ggaaagatca tcctttcatg ttggccaact tttatcctct 180  
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 taatggt 247

<210> 663  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908979H1  
 <400> 663  
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 atggggcggt ggtatgagat agcctctttc ctttcaagga atcagcccaa ggatggtag 180  
 aacaccagag ccacatacac tcttaggaat gatggtactg tgcaagtgtc caacgagact 240  
 tggagta 247

<210> 664  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908981H1  
 <400> 664  
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 gagagaaggg ttggctatga ggtgctgggt gctttgggtg cccttttggt tttctcattg 120  
 acttgtgtca ctgcttcacc atcagggcca acaaaacttc aagaccatgt gaagcaattc 180  
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aatcatttca gct

253

<210> 665

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908983H1

<400> 665

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ggagtttctg gaaaacatat cgattgggcc actcgtgtta tgattgcaat aggagctgca 120

aggggcttgg agtatctcca tgaagcagct gtcceaagaa ttcttcatag agatgtcaaa 180

tcaactaaca ttcttctgga tgaaaattgg caagcaaaaa taactgatct tggcatggct 240

aaaaacttga 250

<210> 666

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908985H1

<400> 666

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ctcccactgc cactgtgcca gctactttgg taactgaagc atctgcaaag ccaccccatc 120

cagataccaa gtacttaggc caggtatatt cagtacctaa ggtggagcag tgggtctgatt 180

ttgatgatca agagtggcta tttgacacca atgtttcaca agaaagaaaa tctgtggtga 240

aatcttcaat a 251

<210> 667

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700908991H1

<400> 667

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 tgtgttgtgt cccctctttaa agctatttcc ttctcttaac acaattgggt gtgccaattg 180  
 ccatagtcac caaccaatta acaaagggtat atatatcatc atatcatcac caaatgaaaa 240  
 atattggg 248

<210> 668  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909005H1  
 <400> 668

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 atgaatattg tcgaaagtac cataacattg aagcttcac aagggtccaa tgatgtcttg 120  
 ctcaaaaatt tgtacttgtc ttgtgatccg tatatgagga atctcatgaa caagcccgaa 180  
 ggccctccca atagtcgtgc ttacactcct ggctctccat taataggata tgggtgtgtc 240  
 aaagtcctgg aatctgggca cccagat 267

<210> 669  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909015H1  
 <400> 669

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 ttcgttcagg agggaagtgg tccaaccacc gtaactggat ctcttgctgg tcttaagcct 180  
 ggtctccatg gtttccatgt ccatgccttg ggggacacta ccaatgggtg cctctcaact 240  
 ggatcacatt t 251

<210> 670  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909018H1

<400> 670

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acaattcccg gacatgccct tcgcgtgggg gcggaggtgt gaagcttttc ggggtcaggc 180  
tgacggatgg atcaatcatt aagaagagcg ccagcatggg caacctaaac ctctcctccg 240  
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<210> 671

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700909035H1

<400> 671

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ctactggggc aaagatgcca tagtgctttt ccctaggtgg cctgagaaca atgttggcat 180  
gtacatctta gccctaattt ttgtgttctt ccttgccatg gctgttgaag tgttatctaa 240  
ccaaccactc ctcaagccag ggactagtc 269

<210> 672

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700909037H1

<400> 672

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ctggaatcca agcttctgat gttcccat tttttttaag ccacaacatt tcccagtgag 120  
ctttctcatg ggttttcaat ggtgacagtc ttgagttcct ttctactggg taggggtagg 180  
ggatattgat ccttattttc tagaggggtt attttagatt catctagttg aacaaagccc 240  
ttgcaaaacc ctttttccag caca 264

<210> 673  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909040H1

<400> 673

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 ttcttcatcc cttctctctc tccagattaa cagaagcaag ctcatcctag agttttaaaa 180  
 atggcagcag cctcctccat ggctctctct tccccatcct tggctggcaa ggccgtgaag 240  
 ctgggccccat cagcccc 257

<210> 674  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909041H1

<400> 674

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 attcacatag gtcaggcccg gatccaggtc ggaaactcct gctgggaact ctactgcctc 120  
 gaacatggca tccagcccga cggcatgatg cttcttgact ccaccttcgg tgtagcccac 180  
 gacgccttca acaccttctt cagcgaaacc ggatctggca agcacgtccc ccgtgctgtc 240  
 ttcgtegacc tcga 254

<210> 675  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909047H1

<400> 675

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 acccctggtt ccagtacttt aaccgaaacc cctagttcta ttcacgcgat tccgcagaac 120



cagagcgtct tctccagaga attgaacttt tctgagtatg gtttcgaccc aaagactggg 180  
aacaatcaga atcaccattc tctgaagccg gaatccggcg agattctcag ctccggcgag 240  
agcaagagaa 250

<210> 676  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909048H1

<400> 676

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attatgggtca tgactagtga ccaattgaca gagttagctt ggggacttgc aaatagtaac 180  
aaaaactttt tgtgggtcat taggcccgat cttgtggcag ggggaattaa ttgtgcgta 240  
cccaatgaat 250

<210> 677  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909057H1

<400> 677

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cccacacttc actctcactc tcattcaatt ncaatnntc gttgttggtg cactgaatga 120  
tcgagtaccg gatgaacctg tggaccgacg acaactcctc cgtcatggag gcctncatga 180  
gctcctccga cctctcctcc ctctggctcc ccacgccgca atccgccgcc tctactacca 240  
ctcctggact gg 252

<210> 678  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909059H1

<400> 678

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gcttttgaaa gagaatgccc tggagttggt tcatgtgctg atatacctcgt tctctctgcc 180  
agagatggca ttgtttcgct aggaggtccc catatccctc ttaagactgg aagaagggat 240  
ggtagaa 247

<210> 679

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700909063H1

<400> 679

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ggttctggaa cctatggagc tgtttatcat gggaaatgga aaggttctga cgttgccatt 120  
aagagaataa aagccagttg ttttgctgga aggccatctg aaagagcaag attgatcaca 180  
gatttctgga aggaggcggt gatgttgagt tcattgcac atccaaatgt tgtctccttt 240  
tatggc 246

<210> 680

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909064H1

<400> 680

caatttgatt ttggattgga gagaaaaatt ttagccgaag cagagaagga taacccaaat 60  
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gttactgctt tggatcccat tgtgagcaaa tttatggcca tggggcttag ccaagaggct 180  
gttcccattg ccgttgaaaa ttatggatgat aatccaacca aagttcagga attcgtaat 240  
ggctacacc 249

<210> 681  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909075H1

<400> 681

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 gtttcccatt cttcgtccac ttgaccctca acgtgtcctt gctaggacga ccaattatatt 120  
 taagaggttg cttaagatta tcgatgaaat tattgaagaa agaatgcctt caagagtttc 180  
 aaaatccgac cactccaagg tgtgcaagga tgtattggat tcacttctta acgatattga 240  
 agaaac 246

<210> 682  
 <211> 107  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700909076H1

<400> 682

gngnaagtca agntagctgn gcnngttctc ttanaatggg ttcattctctt ggcacttgtg 60  
 aaatagntga agcaaggggn gnggctaaat agcaagnaana gctccgg 107

<210> 683  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909078H1

<400> 683

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 ctgaggcttt ggctgcacaa gtgagccaag agaactttga taagggactc atataccac 120  
 cattaccaa cataagaaag atttcagcac acatagctgc caatgttgct gctaaggctt 180  
 atgagcttgg cttggccact cgccttcctc aacctaaga tttggtgaag tttgcagaga 240  
 gctg 244

<210> 684  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909082H1

<400> 684

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ctggcccagg agaaaaccct agaatcgagc ttcgttcggg acgaggagga gcgtcccaag 120  
gttgcttaca acgaattcag cgacgagatc ccagtgattt ctcttgccgg aatcgacgag 180  
gtggatggac gcagaagaga gatttgtgag aagatcgtgg aggcttgcca gaattggggg 240  
atattccagg ttgttgatca cggt 264

<210> 685  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909085H1

<400> 685

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ggatgaattcg ttcgtgaaat ccctctttca actcgaattc ctgaagatgc caatatagaa 120  
gcatactatg atgagccagg atctgtgctt gagataatgg tgccaaaact tcttccagga 180  
gcagaagagc atgaagttcg tgtttgcctt cgcccaaatg tggggaatga tctcatgttg 240  
acttgagtta tagac 255

<210> 686  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909103H1

<400> 686

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ccaccactac aatcaaggca ccaccgagtc acaataacca tgactcagtt cagaaaatcg 120

atttaactcc ctgggatctt cagttcctcc caattgaaac cattcagaaa ggccttcttt 180  
 ttcgcaacaa aaaacacaca gaaaaccaa tcgagcacct ccaacactcc ctttcatcca 240  
 ctctcgcctt cttt 254

<210> 687  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909104H1  
 <400> 687

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 atggctagtt tgtcaactag gattttcttc atcatgtccc ttgtgtgcct ggctctcggt 120  
 ccaatggcac aaggggaaat gacatgtggc caggttgtga gcaacctgac cccatgcac 180  
 tcctatgtgg tgtatggtgg aaccaatgtt cctgaacagt gctgcaatgg gataagaaat 240  
 ctctatggca tg 252

<210> 688  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909142H1  
 <400> 688

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 gccagctgca tgggtgtggt gtggatgttt agttttgggc acataattcc cttggcagaa 120  
 gctgaaattc catgtggcag ggtgcaaadc actgtggctc catgcatagg gtacctaagg 180  
 ggtcctggtg gaggtgtccc tgcaccatgc tgcaatgggg ttaagagcat aaacaaccaa 240  
 gccaaa 246

<210> 689  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909143H1

<400> 689

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aatctcctag aagatagcat gctgttatgg gaggccacac tttctcatgc tccatcaatg 180  
gtgcctcaat tgttacaata tttttcacgc cttgtggaga ttatggaaag aaattttgac 240  
catttac 247

<210> 690

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700909145H1

<400> 690

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tgttcagatg gtttgttggg tttggttggg gagaggggag cgctcggaacc tggcgtggcc 120  
ggtacgggtt cggccgagga gggatatgac cttcttgaac ttggagactg ccacgtcagc 180  
gacgaccttg cagtccatgg cgatggcgat ttcattagag ctattgttgt tgatttgatg 240  
gcggg 245

<210> 691

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700909150H1

<400> 691

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tttctccacc gatcagaaaa tgagttcaac tgggtggttct accaagggcg gaaggggcaa 120  
gcccaaagcc tccaaatccg tttcaagatc gcagaaagct ggtctccaat tccccgttgg 180  
aagaatcgct cgattcctta aggctgggaa atacgccgag cgtgttggtg ctggtgctcc 240  
tgtgt 245

<210> 692  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909203H1

<400> 692

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ttgactttga tgaccgcaga gatgcacagg atgctatccg ngaatnggat ggnatgnttn 120  
gaagnatgat gttgttgga tgtantagan tttagatcaa nnttanaatg tgcataatn 180  
tgnatatttg ctacattctn tctnatctgc taatntgnta ttgttttaac ccccanngtn 240  
ttttccggnt gatatgttga agggttttcc tcaactagct agttaagtct ctttgtggg 299

<210> 693  
<211> 288  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909222H1

<400> 693

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gatttatatt ggaagaaatt tgaggataaa taccactttt catggccaat ttactgctga 120  
nntaatagc catganntat gctgatttaa tcatcacnng tnnataccng gggattgnng 180  
gaccgaaaat nanggtnggc cnngnnnnga anccngctgg tttnccttc ctgggtcccn 240  
aanggtgtt cnangcnntg nagttttgna ncccaggcca atngnggc 288

<210> 694  
<211> 136  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909237H1

<400> 694

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agacatgtat tttatttgct tatgtaattt ttcagctata aatggactcc tgtattaata 120

attcttgcac agctct

136

<210> 695  
<211> 274  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909308H1  
  
<400> 695

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actgacccaa tctaccagg tggcagcttc gaccattgg gccttgctga tgaccagag 120  
gcttttctg agcttaaggt gaagaactca agaacggacg attggccatg ttctctatgt 180  
ttggcttctt tggtcaggcc attgtcaccg gaaagggctc attggagaac ctgcccgatc 240  
accttgctga cctgtcaac aacaacgcct gggc 274

<210> 696  
<211> 279  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909312H1  
  
<400> 696

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tttgatattc cactcttctt ttattggcgg gcattctgcca aaaataaggg cagaatggct 180  
cgatatcttg caaacaatg ctcaattgca tcacggattg actgctttgc tgaaaggggt 240  
actactgttt ttggggagaa actgcgtgag caagttgag 279

<210> 697  
<211> 280  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909314H1  
  
<400> 697

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tcaaggccaa gatccaggac aaggaagaat tccccggat cagcaacgtc tcattcttcgc 180  
cggaagcag ctcgaggacg gccgtaccct cgccgactac aacatccaga aggagtcaac 240  
ccttcacctt gtccttcgtc tccgtggtgg catgcagatc 280

<210> 698  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909322H1

<400> 698

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agtgatgggt ttgtgagagc ggacagattg atctgaagag catagatgaa cagttggaga 180  
ggcacctcag caaggtgttg accatagaaa agaaaaagcg ctctgaaggg gaagaagatg 240  
ctgatcatgt tcattcttcat gttcacacca cca 273

<210> 699  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909347H1

<400> 699

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ggcagttatt tgaagccgaa gatgagggtg aggatggtga ggacggtgaa gaagaacaag 120  
ctgtgattgg attatggagt gcattgcttg gttggtaggg atgactgtgt tcattgctgt 180  
gttgtctgaa tatgtggtgg atacaattga ggatgcatca gattcgtggg gtttgtctgt 240  
gagctttctc agcataatct tgctaccaat agt 273

<210> 700  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909378H1

<400> 700

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tcaatatgggt tggttaaagat ccagactccc aggttttaga gattaatggt tatgactggg 120  
agcagggttg gaagcagaca agatgggtat gaatgtgatc cctttaaag aagtttcccc 180  
tgaagagact aaacgttttt ctcttgacct ctaaaaaat atggatccta atgatgtcca 240  
aatgagaag tcacgagggc agattgt 267

<210> 701

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909383H1

<400> 701

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ggtgactttg gtcccactgg gctgacaact gaggttaagt ctgttgagat gcaccatgag 180  
gctctcacag aggctcttcc aggtgacaat gttggattta atgtgaagaa tgttgagtc 240  
aaggatctca agcgtg 256

<210> 702

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 700909401H1

<400> 702

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ggcttcattg gcaaaggata attcctctaa tgatgtaaaa aatgggtcaag ggtacaaagg 120  
tcatagtatg cttgtctcctt tcacggctgg gtggcagtct tctgatttgc accctctgat 180  
catagaaaag tcagagggaa gctatgtata tgacattaat gggaagaaat atcttgatgc 240  
acttgctgggt ctatgggcca cttctttagg gggaagtgaag ccacgcct 288

<210> 703  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909410H1

<400> 703

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ttctgggtaa tgatttcctt accggtttgg tcagtgtgaag ctaccaactt ggctatttaa 180  
agtgtcatat gttattgctt taattaactt attgccacag cagtagtgaa gataaacttc 240  
ttgatatagc actagtaaac atgtggattg atttaattgc 280

<210> 704  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909414H1

<400> 704

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tatcttgtgg tggcaggtag tgacgacatt gccaacacct attttgttgc tcacgccaga 120  
atattacagt atgacattcc ttcttacacc gaccttatgg tcaactcagc ctctaatttt 180  
gtaaaaggaa tgtataatct gggagctcgt agagtttcag tactgggtgc accaccgatt 240  
ggatgcgtgc catcacagag aactctggct ggaggggctaa 280

<210> 705  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909421H1

<400> 705

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cttaaaaaagc ccaacaaaat aagactggga aattgggagg ctctgtttt gtcaaaggag 180  
 caactagagt atgctgcaac agatgctttt gcttcttggg gtctttatca ggcgattaaa 240  
 gatctcccg acgcccagaa agtcactgac agaagtgg 278

<210> 706  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909422H1  
 <400> 706

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 accctcacat tcaccacagc agcacacaca gacaaagaca accttgtttg tctccaatca 180  
 aaacctttca agctggcggt cgaaaaccaa gacaaccctg tccgagaaat caagcccaag 240  
 aataggagaa tcatgggtgc tggaggccct gatgatgagg a 281

<210> 707  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909437H1  
 <400> 707

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 aaattatggt gaactataaa aaagattgca gggattgtga aagattattc caaggcatcc 120  
 tccattttcca tgaggtgagt gaatcgaaat tgtgcttgaa acacaggaaa gccacatcct 180  
 tgaggtgcac tttcagaatt tgattagtag agtgctttgc tggaatgcca tctggatacc 240  
 agtagcattt atgttgaaga aggggtgccaa tgtttg 276

<210> 708  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909441H1

<400> 708

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atactattac aggtgaaaca ttgtgtgacc ctgataatcc aatcgtgctc gagcggatgg 120  
acttcctga tctgtttatt aaggttgcaa ttgaaccgaa aactaaagct gatgttgaca 180  
agatggcaac tggtttaatc aaacttgacac aggaagaccc ttctttccac ttctcccgtg 240  
atgaagagat aaaccagaca gtaattgaag gaatg 275

<210> 709

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700909443H1

<400> 709

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taaatgcatg catgctttgc aatttgcaaa acagttttat gccaaattca actaacttta 120  
gtttttgggtt ggtgatgggg ttttagggga ctacagaact tctatggcca aaacgtagtt 180  
acatgtgaaa ctattaggtg aaacattgat gtattaggaa aacaccataa ctaactgcga 240  
tattgacgat tatgtccttg ttggaaatga gttgca 276

<210> 710

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700909453H1

<400> 710

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aacaagaac ataagataac aaacagaaaag cgcttataaa tggctttcca cgaccatcta 120  
ccgcacgaaa tcacgttcca gccgtttacc gaggagcagc agttaggtca gagcaggagc 180  
atgcagcggc tgctcccgtc ctccggcggg gcgccgacgt ggctgaacaa cagcaccgcg 240  
gcgacgctcc gccagcagaa tttctccac ctgc 274

<210> 711  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909456H1

<400> 711

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 actcctgctg ggaactctac tgccctgaac atggcatcca gcccgacggc atgatgcctt 180  
 ctgactccac cttcgggtgta gcccacgacg ctttcaacac cttcttcagc gaaaccggat 240  
 ctggcaagca cgtcccccggt gctgtcttcg tcgac 275

<210> 712  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909460H1

<400> 712

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 aattaactag acatgttttc atgcacatat atgttttttc ctatcaagtt cagtctagct 180  
 ggaacttggt gtcaaccctt taccctgtc cttgaagat gtttcaactt ttcaatgaat 240  
 gttcaagaag taaaattcat cagcagattc aa 272

<210> 713  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909471H1

<400> 713

agactacatc attctgtctt gtgttagaag taatgaacat cagggcattg gatttctgaa 60  
 tgatcctagg aggctcaatg ttgcttgaca cgagcaagat atggcattgt tatttttggga 120  
 aaccctaaag ttttgagcaa acagcctcta tggaatagtt tattgactca ctacaaggaa 180

catgagtgct tagttgaagg gccttttaa at aacttgaagc aaagtatggt tcagttccag 240  
aaaccaaga agatttaca tgaacgaggc 270

<210> 714  
<211> 183  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909485H1  
  
<400> 714

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gctgattttg taattgtaac aattcacttt tgtaatttat gtacaacaac caagaattgc 120  
taaacgcata tacagtttgg cgattcacat tcaatttttt aattccattt ctccatcaca 180  
cac 183

<210> 715  
<211> 159  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700909487H1  
  
<400> 715

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tggtatgctg atttaagtgc tcaagaaaaa tgggatgaga aagatcattc cccaacaagg 120  
naaaaattnt tgactgcctt agagagtata gcaggatac 159

<210> 716  
<211> 151  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909527H1  
  
<400> 716

aagatggctt cctttgtatc cttcctagtg ctgcttcttg cagcccttat cctcatgcct 60  
caagggcttg ctacttacta caaaccaatt aagaagccac cagtgtacaa gcctccagtg 120

tacaagccac cagtgtacaa accaccggtt t

151

<210> 717  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700909529H1  
  
<400> 717

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nctangctct gtagctenna tggtnnggcta ntattntcng acctttgggt tgggggttgn 120  
atggcttgcg caagcgatag gttgatnagc ttgactgcac ttgaatctct gtagtctcat 180  
gagnngcnta tgatcgngtg aatgtggtgn aaatagtggg ntaggngtga acnttanngc 240  
cggc 244

<210> 718  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909534H1  
  
<400> 718

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taagcttttg agatagttag ttcattacat tattaaatat tttggagttt caacataatt 120  
gctatgtagg aaattcataa gaggaacact taggggatgc atgtgtagtt actcttataa 180  
atttgagtcc tgtatacatt cggtttcaca tacttatcat gtaagattga atggatataa 240  
aatagttcct ctctc 255

<210> 719  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909558H1  
  
<400> 719

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tggtggacca aatgaacaca catatacaac tcttatgcaa gggtatgctt cactgggtga 120  
 cactgaaaag gcctttcagt actttacagt gttgaggaat gagggcctgg agattgatgt 180  
 ttatacttac gaagcggttat tgaagtcagt ttgcaaatca ggcagaatgc agagtgcctt 240  
 tgcagtcac 249

<210> 720  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909579H1  
 <400> 720

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 agaatccata cttgggttgaa ggaggctttt attcttggat gaaacaaggt ctccgtatca 180  
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 aggat 245

<210> 721  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909594H1  
 <400> 721

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 tggacagatt cattcaacac acagaaatca aattgacttc actttatgtg caccggcttc 120  
 tgataacaag catcatgcta gcagcaaagt ttatagatga cgcattctac aacaatgctt 180  
 actatgcaaa agttggagga gtgagcacgt ctgaattaaa caggttggag atgagctttc 240  
 tattt 245

<210> 722  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909657H1

<400> 722

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tgaggaggaca gggataatag catcagagga ggaagatgtg ccagtggcag tagaagagag 120  
ttattctgga aactacattg tggngtttga cccacttga tgggtcngcc caatantgat 180  
gctgcagtgt ccaactgggg tccattttgg gatatacagc cccangatga gtgncttgct 240  
gaca 244

<210> 723  
<211> 235  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909696H1

<400> 723

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tgccatggct cttccgggga agcctccctt cgcttccgtn nnnnnnnnnn nnnnnnnnnn 120  
gaactcgtcg gaggacgccg ccaagaagat ccgcaagccc tacaccatca caaagtcaag 180  
ggagaactgg accgaaccg aacacgacaa ttcctcgaag cantcaatgt ttgac 235

<210> 724  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909715H1

<400> 724

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aaggcatgat tgaactctcc actcctttct atataatccc ttccacacgc acttctccat 120  
ggatcatagtc acaactagag atgacgggtc aaaaggaaga tttgggcttg agtctaagtt 180  
tgagcttccc tctcctctcc tcttctcctt ccagcccaca accctcagaa accctcttgg 240  
aacgacccta ttttctact 258

<210> 725  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700909719H1  
  
 <400> 725  
  
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 agttcaagaa tttggagaca aaaggggttc cattcccaaa gagccaaccc atgagaatat 120  
 actctagtct ttggaacgct gaggattggg ccacaagggg tgggcttgtg aaaacggatt 180  
 ggagcaaggc ccatttcaca gctcatata gaaacttcaa ttcccaaact tcttctcca 240  
 ctggccaatc actggagccc 260

<210> 726  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700909720H1  
  
 <400> 726  
  
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 ccatggcatc gaagcggatc ttgaaggaac tcaaggatct ccaaaggat cctcctacct 180  
 catgcagcgc cggctctgtt gctgaagaca tgtttctactg gcaagcaaca attatgggtc 240  
 ctccagacag tccttatgct gg 262

<210> 727  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700909723H1  
  
 <400> 727  
  
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tctgcaatcg aacctttcat ctccaaaggg atccacaggc cgaaggagaa atggggctga 180  
cattcacaaa gcttttcagt cggcttttcg cgaagaagga aatgcgaatt ctgatgggtg 240  
gtcttgatgc tgctgggt 257

<210> 728  
<211> 255  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909725H1  
<400> 728

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ctcgggacct ggtgcagacc ccaaagggcg tgctactata actaagcaac taagtgaaac 120  
gcagggttaa ccttacataa cacttgcat gattgaaggc tccaaatggc tacttctctc 180  
tccaactccc aagggttaat taattaccac atttttgtct ggcttgagga ataatgcacc 240  
ccatgtttta gtgga 255

<210> 729  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909728H1  
<400> 729

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acattggtat tgcaatgggc attgcagga cagaggtggc aaaggaagct tcagatatgg 120  
tgttggcaga tgataatatt agttcaattg ttgctgctgt tggtgagggt agatctatct 180  
acaataatat gaaggccttt atcaggtata tgatctcttc caatattggc gaggttgctt 240  
ctatatatttt aac 253

<210> 730  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909731H1

<400> 730

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aggccctcag acaagccact caggcttcca ttgcaggatg tctacaaaat tgggtggtatt 120  
ggtaccgtgc cagtgggacg tgttgagact ggtgtcgtga agcccggat ggtggtgact 180  
tttgggtcca ctgggctgac aactgaggtt aagtctgttg agatgcacca tgaggctctc 240  
acagaggctc tt 252

<210> 731

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700909734H1

<400> 731

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ttcctatgct taccacgcta caactatgaa gttgaatata ttccagcttc aaagactgag 180  
agagaaggaa agctttctgg tgaaaaggaa gtagttgaca tgtcagatct gtatactgac 240  
atcatgagca gatcaaa 257

<210> 732

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909737H1

<400> 732

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gcaggagag gcgaacttaa aaggagataa tgcagcctct gaggaacaaa gattagaatc 180  
tgcactgat tctgattaaa ttcagcttta cttcttcaaa aaaatttgct tatgagtga 240  
cttgttttgt gggttg 256

<210> 733  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909738H1

<400> 733

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gaatcttcag gtcctccgt caacaacgga atcggcccca gtggtgaagc gctatgctcc 120  
acccaaccag aggaaccgtt ctgctaacag gcgcaaatca tctgatcggc ttgatcggac 180  
aaacagtgtc gggaatgact tagaaaagaa tcaagttgct tcttcaagaa gtgttcacat 240  
tccagatcat gaaga 255

<210> 734  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909747H1

<400> 734

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gtgccaatg ccatagtcac caaccaatta acaaaggat atatatcatc atatcatcac 120  
caaataaaaa atattgggtt gttttttctt gtggtggtgg ctacttttgt ggtggcagcc 180  
acagctggta gcttttacca agactttgaa ataacgtggg gtggtgagcg tgccaaaatc 240  
tatgagaat 249

<210> 735  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909751H1

<400> 735

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cctagtactc tataaatagc atttgcagc accttagtct tcacaaaaat actcctcttg 120  
gcatcttggt ttgtgtccct cttttaagct atttccttct cttaacacaa ttggttgtgc 180

caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa 240  
tgaaaaatat tggg 254

<210> 736  
<211> 255  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909752H1

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acttgaagac acagatagcc aagtcaataa aactgnaag tggagaaaac tcctgttgag 180  
cctgtgtcat ctgtggctga gataacacct tcatccgcta atgggtccatg gttcctttat 240  
aacctttttc cagtt 255

<210> 737  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909756H1

<400> 737

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gggcaaggat gctttagctg aaggagataa gatcacctta gaaactgcaa agcttttgag 120  
agaggattat cttgctcaaa atgcctttac accatatgat aaattttgcc ctttctacaa 180  
gtctgtttgg atgatgcgca acattatcca tttctacaat ttggcaaadc aggtagtaga 240  
gaggggagct gg 252

<210> 738  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909764H1

<400> 738

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aaacagaaaag gtgttcgtgc agacttgatt ggttccatca tcaatcatta tgctccata 180

tggctccctg acctctcttc ctctgctgaa aatgggtgtca ccactcactt ccaatcccc 240

gaaag 245

<210> 739

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700909769H1

<400> 739

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gacttggtga gatccagata caccacattt ggcatcagtt gttgctggct ctgggaagaa 180

taacttttca cctttgggtc aatgtactca tcatatgtgc ccagtcagta tccactggca 240

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<210> 740

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<213> Glycine max

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agtggttcgg acgctgattc cagcaacaag cggctggtgc tcgactgta tgacgccta 180

aactccggcg actccgacgc cgtcgtcaag atcgtcgccg ccgacctga gtgggtggtc 240

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 ctattgacaa tcttatcagc aacggtgaca ctctctacat cgtccacacc aagccttccg 180  
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 catgtggggc tgctcact gtcattattg cgcattgaggg ttgcaagcta tgggtcttggg 180  
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 ta 242

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 <223> Clone ID: 700909786H1  
  
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 gaaaaccata ttgaataagc tggaatggaa tttgactgtg ccaacaactt ttgttttctt 180

ggttcgtttc atcaaggcat cagtcccaga tcaggagtta gaaaacatgg cacattttct 240  
gtctg 245

<210> 744  
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<213> Glycine max  
  
<223> Clone ID: 700909796H1  
  
<400> 744

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caaaaaacat ggatatgggg tggagaaatt taactcgacc ttgtatgatg aatggggttaa 180  
caagggaat gcaccggcac tgcccagagac tcttaagaat tacaacaagc tgggtgtct 238

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<211> 237  
<212> DNA  
<213> Glycine max  
  
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ctaaggcttt ggctgagacg ggaaaatggc atgtaataat ggctgcagg gattacctca 180  
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<210> 746  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909836H1  
  
<400> 746

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aatcagaagc tatgaggggc aatctgatag ggctcaagtg gaagatcttg agagaagatg 180

cgaggtaggg ccatcagaaa gcgtgtttct cttcacagac actatgggtg accccatttg 240

<210> 747

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<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909837H1

<400> 747

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aatagtagtg tttgtgtggc accgtttctg agcaagacct acgacatggg tgatgatcct 180

tccaccgact tagtggtgtc gtggggcgan aacaacaact cctttgttgt ttggaacgtt 240

<210> 748

<211> 80

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909838H1

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atgcaggaac cgtcaaatgg actacatcta tgaagacgag ttgagtcact tcgttaatac 180

tgggcgactt gatgagctca ttcttgccct ctctcgagag ggacccacca aggagtatgt 240  
ac 242

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cattggctcgt gttgctccag ttgattcagg attgtgggtgg attatatttat tacgagcata 180  
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<213> Glycine max  
  
<223> Clone ID: 700909886H1  
  
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acttcgaaat cgaagtgcgc ccgcaagaca cggtttctga agtgaaaaaa aatatagaaa 180  
ctgttcaggg tgcagatgtc taccctgctg cacagcaaat gctaattcat caagg 235

<210> 752  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909892H1  
  
<400> 752

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tttggaggca aaatgcattg aagaccctgc ctgtacttct aaattcatca gacatgctgg 180  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700909911H1

<400> 753

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acttcctcc gacagttgca cctgtcatgt ggccagaaat cccacagaac ggaaacagac 180  
aacaatatca gcaaccgtgg cagtttgatg cattccacca acccctttgg gggaggggaag 240  
aagacaaaac taacatg 257

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700909918H1

<400> 754

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cagcagctgc tttatctttg tattggtctg atttgaaaga taaagttgct gggttggcat 180  
tagcaciaag tccctatggt ggaactccta tagcttcaga tcttctgcga gaaggacagc 240  
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<223> Clone ID: 700909925H1

<400> 755

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tgctgctctt gtggaagcta ttgaggatgg gtctgtgaaa gggaaggaat tcgcggtttt 180  
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tgggattcct cctctcgt 258

<210> 756  
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<212> DNA  
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<223> Clone ID: 700909928H1

<400> 756

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attgtgtaat ttgacacagg atggaggaga caaaattgag agccgagagt cgatcgttct 180  
ccatgtctca tgcatacagc caagagattt tgaacagtga atacaagaga atgtacgcac 240  
tgtagtctgt agttagtt 259

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<223> Clone ID: 700909929H1

<400> 757

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cgattatgtc ttcaagattg tggataagt tagattaaag tctctttcat gacaggggga 180  
gccttttgca ctttctctg tgggtttctt ccctttagtg tgtcattttt ttcttttaag 240  
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 cgatgagaga gggattagag gcttttggtt tacgagttta tgccgaataa gagcttggag 180  
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 <223> Clone ID: 700910023H1  
  
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 <212> DNA  
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 gcctttggca gttgtagaca atggcattgt caaggaggag gcgcagatca ttaaaggaaa 240  
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 <213> Glycine max  
  
 <223> Clone ID: 700910034H1  
  
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 gttggtttaa agttttacct actaggaatg gctcacccat ttttcgtaaa atgactgggt 180



ccgcaatggt gtcagatact atcaacttag gttccttggg agatgaagaa aaagtagagc 240  
agctaccaaa aatggatgca 260

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<223> Clone ID: 700910038H1  
  
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gatgattcta tggagaggat ttgcctgaga ctaagcaaata tgattctaag tttaatgttg 180  
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tagctgttgg agatggtctg tc 262

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<213> Glycine max  
  
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tgtcagggag attgacctgt gtaccctcct gagaaccaga cccagttcgc catggcctat 180  
tatgtcatca attactccaa gctacgtatt tgggagttcg tggagtacaa gaagacgata 240  
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<213> Glycine max  
  
<223> Clone ID: 700910061H1  
  
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 <223> Clone ID: 700910084H1

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 accttccttt gatccttcac ctgcagata atgggagaaa caaaggacga agcatacgag 180  
 gaagagcttc tcgattacga ggaggaagac gaaaaggccc ccgactccgc cggagctaaa 240  
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<210> 769  
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<212> DNA  
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 <213> Glycine max  
  
 <223> Clone ID: 700862947H1  
  
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 ttgcaatgat agaaggtggt agcatccggc tgaagacatg gcagcaggca gctgtggcag 240  
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<210> 771  
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 <213> Glycine max  
  
 <223> Clone ID: 700862961H1  
  
 <400> 771  
  
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<223> Clone ID: 700862986H1  
<400> 772

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<210> 773  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700862987H1  
<400> 773

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tgtagccac gacgccttca acaccttctt cagcgaaacc ggatctggca agcacgtccc 240  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700863002H1

<400> 774

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atgacgaaga cgtggagggg ctggggcttt cgacgacaac cttctgttcg aggtgttgaa 180  
gcacgtggac gcgcggacgc tggcgatggc gggatgcgtg aacaaacagt ggcacaaaac 240  
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<210> 775

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700863003H1

<400> 775

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atcctgattg atgctgtccg aatggtgacc cagttacggg gtgaagccca gaagttgaaa 240  
gacacta 247

<210> 776

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700863012H1

<400> 776

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tattgacttc tacacaacca tcaccgtgcc cgtttcgaag agcttaacat ggacctattc 180  
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<210> 777  
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 <223> Clone ID: 700863017H1  
  
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 aacagaagac tgtggatgcc atagtgcagc tagtaaattt cctctttcaa tcatattggt 180  
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<210> 778  
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 aatctataca caatgcaaag gtagacgtgg gcaatgtgaa gaatatattg aaaaatggct 180  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700863021H1  
  
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 cgagcgtaag gctgcaatgg cacaagaagc tgatgcattt gttgctctcc ctggaggata 120  
 tggaaccatg gaagagctgt tgagatgata acttgggccc aacttgggaat ccataaaaaa 180

ccggtaacat agtattttta ctctgtagta caaaatcttt aatataacaa tcaagtgcta 240

<210> 780

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700863026H1

<400> 780

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atcagttctt catttggttg tgttttctct gcagatgctt tcattggtgt caacattggt 180

acagatgtca ccaacatgcc aagtccaaca gaggttggtg cccttcttaa ggctcaagg 240

at 242

<210> 781

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700863034H1

<400> 781

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gcaactcctg aatcacatac ataatgctag aaatgccgta tatcagaaac atccgaaaag 120

tgaaagtata attgtgcaact ctgaatgaaa ggctttatac ttgctcaggg ctgctcccaa 180

gataacaagc tatcagttgc aattaacagc cagggtatcc agtcgagagc agatgagaag 240

tgggga 246

<210> 782

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700863043H1

<400> 782

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acagattcaa gatgctcata aatctgttct tgcttctgag gagaatgata tctataatgt 120  
 gaatgaggaa aaattatgtg aacaatgaaa gatcaagaga caaacataaa tatgacgtgc 180  
 ttgaaaaaat ctgcaacttt tccaattcct aatacaatgt tgccttcaag cccatctgat 240  
 aag 243

<210> 783  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700863047H1

<400> 783

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 ctccaaaata attggagtta tgaaagttat catcttttct ctaaattgggt ttctgggtaa 180  
 tccttgttca tagcttttgg attttcccat caagcctcct tttttgttgc tagggcttca 240  
 acc 243

<210> 784  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700863051H1

<400> 784

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 tactctaact ccttgttata cttttggatc ttatgaggtt tcctcactcc ctttgggtgt 180  
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 tt 242

<210> 785  
 <211> 240  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700863052H1

<400> 785

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gtgggatcat atgttccaaa acaacaaagc aggttgaaga gctcaaatta cagtgtggtc 180  
agttcttaaa aagcattgag gtatcagttg aaaaacttgc aatgagtcct attgaggaga 240

<210> 786

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700863065H1

<400> 786

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cagccactcc tggatttcag aatgtcagca tttcaaatac taattataga ggattggagg 120  
actacttccc agaggatgag attcaactag aagtcacgag atgctagaaa atgaagatat 180  
gcagcatctg ctccgtatat ttaatatggg aggaggggcaa tctcatgctc cctttaatac 240  
tcaagaa 247

<210> 787

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700863068H1

<400> 787

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tagcaatact gggtcacaga atgttcatca gaggcaagaa atcagaaaag cttatgagga 180  
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<210> 788

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863073H1

<400> 788

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gtgtatgtgt gccagaacc agttgctgac accacgagcc ttcaagggcc ctgggggacc 180  
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<210> 789

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700863090H1

<400> 789

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aagtcaggca tatatagttt caagaaggcc catgaaaggg catggaaggg agatgattca 180  
gttgggtgtt ccaattgctg atgccccagc agaaggggaa aatatgacag gagcctccaa 240  
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<210> 790

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700951714H1

<400> 790

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aaggaacttg aagggaatat atcgtggtga cgggccatgc atagccacaa accccatcga 180  
caggtgttgg aggtgtgacc ccaattgggc caacaatcgc cagaagctcg cagattgcgt 240  
ccaaggcttc 250

<210> 791  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951786H1

<400> 791

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tgggatgagt cttcatcttg tggaggattt cagggtcacg cccatgaagc ttatggatgt 180  
gaaggatgcc ttgatcatga ggaagtttgg atctgtcgag ccggataact actggtat 238

<210> 792  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951788H1

<400> 792

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tctgaagccg aaaacgccga cggatgatgat gaagatgggg tgttcacgtt gtccttctt 180  
cctcttcttc atctcttag tggcgctctt cccctcgctg ctctccgaga tccgcttc 238

<210> 793  
<211> 274  
<212> DNA  
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<223> Clone ID: 700951822H1

<400> 793

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attctaagag tgtctcgctc cctcattcat gtccgatctg tacgacggag gacgggtagt 180  
tgcgtaactg ccgttaaccc ttccgccac ggtgggcgtg gtgctttgcc ttctgaaggt 240

ggtagccctt cagacttgct cttcctcgct ggtg

274

<210> 794  
<211> 161  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951912H1

<400> 794

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tgaaagaggt cactggtgct ggcttgctg gtggtcgtg g 161

<210> 795  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951916H1

<400> 795

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cccttgacat tgtgagtggg ttgtccaaca tcctcgagaa gttcggggtg aagttaatc 120  
ttaaacccgc gtctcgccgt cttctcgga aggatgggtt gccacttggt ttctctgctg 180  
ctgatcgtaa gcttttgggt cgtggatgga gatcacgtgt caagcccaat gttgtggtg 240  
cccaggatgg cactggtcag ttcaaac 268

<210> 796  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951943H1

<400> 796

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tcgcatgcac ataaacaata acaaatggct tccacaacta tgtgttgct ggtcgtgttc 120  
atgattctat gtatcacaca cccctcattt caaatggttc ttgtgccttt aacacacaca 180

ctttccaaag cccaattcaa cagcacccac caccttctca aatccacttc caccggttcc 240  
gcaaaacgct tccgccgcca a 261

<210> 797  
<211> 263  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700951946H1  
  
<400> 797

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cctcaccgga aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa 120  
ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca tcttcgccgg 180  
aaagcagctc gaggacggcc gtaccctcgc cgactacaac atccagaagg agtcaaccct 240  
tcaccttgct cttcgtctcc gtg 263

<210> 798  
<211> 263  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700951950H1  
  
<400> 798

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cctcattcat gtccgatctg tacgacggag gacgggtagt tgcgtaactg ccgttaaccc 180  
ttcgccgcac ggtgggcgtg gtgctttgcc ttctgaaggt ggtagccctt cagacttgct 240  
cttcctcgct ggtggtgggt tct 263

<210> 799  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700951971H1  
  
<400> 799

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 ataaaggatg ataattgtct accatgtaaa cataacattt ttattatcaa taaaggggat 120  
 atctgtaatt ct 132

<210> 800  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700951976H1  
 <400> 800

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 aaagtctcct gcgttgactg cactcacaac tatgacttat ctgatattaa ggtttcgggtg 180  
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 gttgatcttc ccctaga 257

<210> 801  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700951986H1  
 <400> 801

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 catgttgctg gcaatgttga ttcttctgtc agaggtcacg gggcttcgga tgctggagct 180  
 ggactatctc ctgagtctta tcgacatcgg catgaaatat ctgtgactgg agacaatgta 240  
 cctccacccc ttgcac 257

<210> 802  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700951987H1

<400> 802

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gaagctgagc gtggtattac catcaagtct acaggtatct cactctacta tgaaatgact 120  
gatgaagctc tcaagagttt taagggagag cgcaatggga atgagtatct tatcaatctc 180  
attgactccc ctgggcacgt tgactttctca tctgaggtta ctgctgcact cegtattact 240  
gatggagctc tagttg 256

<210> 803

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700951992H1

<400> 803

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atagcaggag gtattttctcg tacagcaact gtcctcttg atcgtctgaa ggtggtctta 120  
caagttcaaa gcgaacgtgc ttctatcatg ccagcagtaa caaggatatg gaagcaagat 180  
ggtctgtagg gattttttctg aggtaatgga ttgaatgttg tgaaggtagc accagaaagt 240  
gccatcaaatt tttatgc 257

<210> 804

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700951993H1

<400> 804

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tgccagcag cagcatcctt tgaatgactt gagctgttac ttacagccgc ggctggtgc 120  
tggttctgtg agtagatctg gtcggtccaa gatcctaact ccatcaaata ttgaagatct 180  
cttttctgct gagatttctt catctccccg gtattctgat ccagcagcgg gttccgtgtt 240  
ttcccctacg cacaatt 257

<210> 805

<211> 252  
<212> DNA  
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<223> Clone ID: 700952042H1

<400> 805

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ggcagacgaa gctaacagaa ctgctttcct tgaaattcaa agtcgcatga tcgatactac 120  
tggaaaaata aaacaggtgc aaaccagat gcgttccaaa gaagcagaaa aaaagcgtgc 180  
ttttctgacc atggaggagc tgaagcaagt tcctgatgat acgaatgttt acaaattccat 240  
tggagaatgt tt 252

<210> 806  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952101H1

<400> 806

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gctaccacta ccactaaagt ttacattggt tactattcta tgtacggaca tggtgagaag 120  
ctagctgaag agattaaaaa aggagctgct tctggtgaag gagtagaagc aaagctatgg 180  
caggtagctg aaacactgcc tcaagaggct cttgggaaaa tgggagcacc tccaaagagt 240  
gatgtaccaa ttattacacc caatgagc 268

<210> 807  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952109H1

<400> 807

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ataaggagga agaaatacaa ggttttggga cctcttctct tggcttataa aaagtccaaa 180



acaggagcct tcttggtggt ttagaaagga ggaggcttgg gggaaaaggg tggagaaaaa 240  
 agtgggttaaa gggaca . 256

<210> 808  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952113H1

<400> 808

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 gccgtagaca aatggaacac acaacttaaa tctctttacc aaactatcag caacagagtt 120  
 ggttaaaccg tgggtgtctaa cgggagagtt atctgtttta ttgtccccgc tgcagttttg 180  
 ttatgtgaat taatgtatct attatggaga gttagggatg tgtattgcac caatagttaa 240  
 ccaaagcgag a 251

<210> 809  
 <211> 255  
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 <213> Glycine max

<223> Clone ID: 700952123H1

<400> 809

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 tgttcttctt caggggaaaa aagttagaga tgacaataga acacttgtgc agactggtat 180  
 atcttgcaat gaaaatttgg ataccctgag ttcattgttg agcccacttc actacaagct 240  
 tctccaactg tttgt 255

<210> 810  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952125H1

<400> 810

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caagacaagg aagggatccc acctgaccag cagagactta tctttgcggg taaacagctt 180  
gaggatgggc gaacccttgc cgactacaac atccaaaagg aatccactct ccacctcgtg 240  
cttcgcctca gg 252

<210> 811  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952137H1

<400> 811

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aaaggaaaga gaatcgccat cattggcgtc tcagccttat tgttggtggc tatggttgtg 180  
gcaatcacag ttgggggtcaa tctcaatgag aatgggtcca acaatgatac agaggacaac 240  
aagaaaaatc atgttgt 257

<210> 812  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952139H1

<400> 812

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atcatggaat caaccgcgcg tggcgaatta aactccgtct gcgttttgga ttgcaagat 180  
atactacgaa gattctcgtt cgacaacata tgcaaattct cgttcgggct cgacccgggt 240  
tgtctcctac cgaa 254

<210> 813  
<211> 249  
<212> DNA

<213> Glycine max

<223> Clone ID: 700952156H1

<400> 813

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gtagaagcta gcaataatgc gtttttgaaa cccgtattca tctgtatcca acgatttact 120  
agaaggagat cgcaatttct ccatcttctc gtttcggtgg ctctgtgaaat cgaaagttat 180  
cgaaactttc gcgcgacacg aagtattggg aaccaagcaa aatttctatg gctgacgaac 240  
cactatatc 249

<210> 814

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700952161H1

<400> 814

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gtatatatttg attcagagga agtacacgct tgtattgtca cgtgcggtgg actttgtcct 120  
gggtctaaata cagtataag agaaatagta tgcggcttat atcatatgta tgggggtgcac 180  
aaagttttgg ga 192

<210> 815

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952166H1

<400> 815

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tcttcgccgg cgaccacttc cctgtccccg accacgtcgc tccgttcccc gattccggcg 120  
acctcgtctt cgccgccgac ctctctctcc accgccccaa cccccagaag ctccgcctta 180  
tcaggtcggt ccccgccgcc cccattgccc accctctctc gcccctctc tcgcacgatc 240  
cgattccctc cgggtc 256

<210> 816  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952171H1

<400> 816

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 acaatggctc tctcttcac atcattggct ggccaagcta tcaagcttgc cccctccacc 120  
 cctcagcttg gtgttgaag ggtagcatg aggaaaacag cctccaagac tgtttcttct 180  
 ggaagcccat ggtacggccc agaccgtgtc aagtacttgg gccattctc tggtagagccc 240  
 ccatccta 248

<210> 817  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952180H1

<400> 817

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 gactgtgcaa agccagtaga agacaagatc atggacattg cttctctcga gaagtttctt 180  
 caagagagga tcaaggttgg tggcaaagct ggtgctcttg gtgactctgt taccgttaca 240  
 cgtga 245

<210> 818  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952183H1

<400> 818

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caagtccttc gccgttgctc ttattgtggc gcttttcttc tccgcctccg ctctggactt 180  
 agtttcgggg cagtcgccgg tgccggcgcc ggcgccggca ccagatgccg gagcagctgg 240  
 atccgtgtcg 250

<210> 819  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952191H1

<400> 819

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 aatcacaccc ctatatcctt cccattaaga aagaccccg c aacaaatttg tactacactt 180  
 cagttggcat tggaactcct aggcacaact ttgatttagt cattgatctt tctggtgaa 239

<210> 820  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952193H1

<400> 820

caaccagtga gtggagtttt ggatcttctg tcaaaaacaa ccgaagggtgc taatgctatg 60  
 agaatgaaaa ttgcatctgc tataacatct gatgaacaac ttctcaggag gagactgcct 120  
 cgtgttatag gtggtgataa tctgctaaaa ctatacgatg agtacaaagc tcaaggacag 180  
 gtcatactgc agttggcaga atcaggttca ttttttggtc aggttgatct gttcaagg 238

<210> 821  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952194H1

<400> 821

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agtcctgcaag gcacatgggc atcccctata tgccaatggt ggtgccacct ataaactgga 120  
cagggtatga caaaggagca tacttggttt tgccatcgta tggtatgaga gtacatggag 180  
caaagcagca acgtgaagca gttaagaggg ctccaagag tcaactgat cctgtttt 238

<210> 822  
<211> 259  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952201H1  
<400> 822

gagataacta gaaacagtgt gatgaaaatg aaggtccttg tttcttcgt tgctacaatt 60  
ttggtagcat ggcaatgcc tgcgtacgat atgtccctc tccgaatgaa cactggctat 120  
ggtgcccgta ctccggaggt gaaatgcgca agttggaggc ttgctgtgga agcacacaac 180  
atctttggct ttgagaccat tctgaagag tgcgttgaag caacaaagga atacatccat 240  
ggcgaacaat atagatcag 259

<210> 823  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952204H1  
<400> 823

agagaaacaa gacaagcaca acaagcattc tgaaattctc ttatttgta gtatcaggac 60  
tagtaacaat taaccttgaa aataaagctt catctagttt tatcttccat aggtagaaaa 120  
gtgatcaaga gaatacaca gtcaccaggt gggaatgtac catcatcacc aacaccaagg 180  
aaaaaacatt cattcttctt ccagaatgcc aatcccctct gagaggcaca tgttccttca 240  
aacaggaaat gga 253

<210> 824  
<211> 255  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952211H1

<400> 824

gaagggtcatt gttacaacca aacacaatga tgatgaacag tatgtttggg agtctcaagc 60  
tggagggttct ttcactgtca ccagggataa cactggtgag gttcttggca ggggtactaa 120  
gatcactctc tacctcaagg aagatcagct tgagtacctt gaggagcgct gcttgaagga 180  
tctgatcaag aagcattctg agttcattag ctacccaatt tctctttgga ttgagaaaac 240  
tactgagaag gagat 255

<210> 825

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952212H1

<400> 825

catcatttcc actgccttga tgactattgg gattgcaatt gttagttgga ttgcactccc 60  
aacttccttc actatcttca attttggagt gcagaaagat gtcaagaatt ggcagctatt 120  
cttgtgtgtt gctgttggtc tttgggcagg gcttattatt ggatttgtaa ctgagtacta 180  
tactagcaat gcatatagtc cgggtgcaaga cggtgcagac tcttcagga ctggtgctgc 240  
aactaatgtt atcttt 256

<210> 826

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952216H1

<400> 826

actaaacata tacctcacct tatctcgtct ttgccttttc atgtttttgt ttatcggttt 60  
gattctaatt caatgatatc tcatcatgat tgccttagca ggtgacaaaa aaacagatga 120  
ggaggttgtg gttgtgaatg catcatcatg gattgatgac aggtttgatt ttgaccctga 180  
ggagtgcaat gttgcaaatt ggaaatgggt gtttaacat tcaataaagc ctctctactc 240  
agacataagc 250

<210> 827

<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952223H1

<400> 827

cactgttaaa atggctgtac agtacatgcg gagggttatt gagaagaagg caaagtttga 60  
tattatgaat ctgaactggt tgcaggttgc accgaagaca ttcattcctg ttttatttgg 120  
acatgcaagc gatgacaaat tcattcagcc tcaccattct gatctcatct ctgaagccta 180  
tgcaggtgac aaaaatgtca taaaatttga cggatgacac aactcgtctc gaccacaatt 240  
ctttta 246

<210> 828  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952230H1

<400> 828

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gcaatggcgt ccacaagtta gaaagaaaac aaatagctga aagagaaaga aaacaaatag 120  
ctggaaggga tagatcggtt tttagaggca ggcgtccacg acctgggttt tctgattcat 180  
tttcaagcac tgacttggaa gcttttagaga ttgaagaggg ctctcctagg agtcaagggt 240  
ctgaaacccc aagttcaagg g 261

<210> 829  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952234H1

<400> 829

cgcttcttgt ggggtctgct ttgaaccttg tgggatatgg ctgggtctgg cttgttgtca 60  
cttctcaagt ccctgtcttg cctctctggg ctatgtgtgc tcttatcttt gtgggaacaa 120  
atggtgaaac ctacttcaat acagtttctc tgggtgtcttg tgtacaaaat ttccccaaaa 180



gccgggggtcc tgtggtggga attctaaagg gctttgctgg gttgagtggg gcaatcttga 240  
ctcaga 246

<210> 830  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952241H1

<400> 830

ggaaaatgct ggagaagata ttactggtgc aaagaatgaa gtgaagtgtg acaaccaagc 60  
acctgaaaac aagagtgaga cagagaaatc cataccagta acgaagaaag atggcgaaaa 120  
tcctacacct gcaaaagctg aagttcctga caacgagttt gagaagcgca taagaccaga 180  
ggttatccct gcaaatgaga taggggttac atttgcagat attggtgcgt tggatgagat 240  
taaag 245

<210> 831  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952250H1

<400> 831

caaagtctct tattcctctt tgtattaatt ttttcctctt ctcccttttc attttccggt 60  
ggcaattcaa atcgactct ttgcgtttgt gctgatccac tgtgaatgaa aaaaacaaaa 120  
ctaagagaga gaagagagaa aaattacaac aacattatta tttattgtaa ctaattagct 180  
aattaattgg ttattaaaaa ttataaggcc atgtttggcg aaaccgttcc gcgaccacag 240  
ttca 244

<210> 832  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952251H1

<400> 832

tgccactttc tgagtacaat acaacactgc catggctgcc tcagtctcca ctattggagc 60  
 tgtcaacaga gctccactga gcttgaacag ctctgaagct ggagattcgg ttcccagttc 120  
 agccttcttt ggcacaagct tgaagaaggt tactgcctca agggccccta acgtcaagat 180  
 ttcttctgga agtttcaaaa tcgttgccgc ggagaaagag attgatgagc aacaacagac 240  
 aa 242

<210> 833  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952271H1

<400> 833

gtggatgac acccttga tttggacaag atggttttaa tggactggag ggattctcat 60  
 ttggggaatg aaccctactt gagagctagt aattcaaggt ttcctacttt cctctatgca 120  
 atgccattta gttccaattt gatatttctt gaggagactt cccttgtgag ccgccagtg 180  
 ttgtcttaca tggaagtga gaggaggatg gttgcaaggc taaggcactt aggca 235

<210> 834  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952282H1

<400> 834

caaggctaac tcttacagtg tgcattggaag tgcactgggt gccaaagaag ttgatgccac 60  
 aaggcagaac cttggatggc cacatgagcc attccacgtg cctgaggatg tcaaaaagca 120  
 ttggagtcgc cacacccttg aggggtgctgc acttgaagct gaatggaatg ctaagtttgc 180  
 tgagtatgaa aagaaatata aggaggaagc tgcagaattg aaatctatta tcaatggc 238

<210> 835  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952285H1

<400> 835

caacttaaga gatcaatatg gccaccacca ctaccagcc tccctcta atctgttttt 60  
tccctctgtt gttgcttcta gcacactttc atttgggcat aagccaactt gagctgaatt 120  
actactctaa aagctgcca aaagctgaag agatcatcaa ggaacaagtc acacaactat 180  
ataacaagca tggaaacact gccgtttcgt gggtcagaaa tctcttcac gatt 234

<210> 836

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952294H1

<400> 836

ctgagcgtga gaaagagaag gggaagaaag agagagagt atgggaagg gaagagtga 60  
gttgaagaga nttgagaaca agatcaacag gcaagtgacc tttggcaaaa cgaaggaacg 120  
ggcttttgaa gaaagcttat gagctttccg ttcttttgta tgccgaggtt gctctcatca 180  
tcttctccaa tagagganaa gcagtacgag ttttgcagcg gttcaagcat gctcaaaacg 240  
ctggagaggt 250

<210> 837

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952295H1

<400> 837

caccacgaac ccgaacgagc gacacggtcc ttagttggag tcttgaacca caaccagag 60  
ttgaagtgt gagtggcaag ggggtgttga ggctgttttc atcttcactt cttcattca 120  
gaggtttgca accattggag ccaatgtctc ctgcttctc ccctttgcaa gtgccatcat 180  
caactactcc ttttgctggt cttgtcatct gcgttactgg tttatctaaa gaagcaagga 240  
atcaggtcat ggagg 255

<210> 838

<211> 280

<212> DNA  
<213> Glycine max

<223> Clone ID: 700952301H1

<400> 838

atcgggaagaa gaagacagtg aaagaggtgg aagcagaaca ttggacaaga aaaccaacaa 60  
aatattcggc tttgcggtag cccatgatga cagtgaccac ccacccgtga cccatcagtt 120  
ttttcctgtt gaggactccg aactgcctgt ctccgccgcc gccgcaggca gtggaggcgg 180  
tgggcgcgga agctccttcc cacgtgctca ctgggtaggt gtcaaatttt gtcaatcgga 240  
aacacccggc gccggaaaag cagtgaaagt gtcggagccg 280

<210> 839  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952303H1

<400> 839

caggaaatta aagaagcagt tgagcttccc ctgacacatc ctgaactgta tgaagacatt 60  
ggatatcaagc ctccctaagg agttatttta tatggggaac caggaactgg gaagacattg 120  
cttgcaaagg ctgtggcaaa ctcaacatca gcaacctttt tgcgtgttgt tggtagtgaa 180  
ttaatacaaa aatacttggg agatgggtcca aagcttgtaa gggaactttt ccgagttgct 240  
gatgatcttt ccccatctat tgtcttcatt atgagat 277

<210> 840  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952318H1

<400> 840

ctgcaacagt agggtagatg gcatccccag ctgacaaaag agaagatgac atgagaaaac 60  
caccttcagg gttccctgat tgttccatca agctgcatgc acatgaagtt cggttccttg 120  
ctgcagcaag gaaactagag tttggcaatg gtgttctttt ctatgatcgt atctcagttg 180  
gtgcagattt gtctgatgct attggattca aaggttgtag agaaattgaa gggccttatg 240

tggactatct agagacacaa tttggttaagc ccgttttg

278

<210> 841

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952326H1

<400> 841

agaatcttgg ttactggagg agctggattc attgggtctc acttagttga cagattgatg 60

gaaaatgaaa aaaatgaggt cattgttgct gacaactact tcactggatc caaggataac 120

ctcaaaaagt ggatttgtca tccaagattt gagcttatcc gtcattgatgt cacggagcct 180

ttattgatcg aggttgatca gatctaccat cttgcatgcc ctgcctctcc tattttctac 240

aaatacaatc cagtaaagac aataaagaca 270

<210> 842

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952338H1

<400> 842

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tggttggaac ttggattcac gagtcaccga gagagatctc gaagacgnat tccgtgtttt 120

eggagttatt cggagtgttt gggttgcacg tagaccacct ggtnatgctt ttattgactt 180

tgatgaccgc agagatgcac aggatgctat ccgtgaattg gatgggtttt cctcaactag 240

ctagttaagt cttctttttg gcctatgggg ca 272

<210> 843

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700952349H1

<400> 843

acacaaagta atggacaaaa aaccatgcaa ctcatcatct catgacctg aagtgagaaa 60  
 gggaccatgg accatggaag aagacttgat cttgataaac tatattgcaa atcacggtga 120  
 aggtgtttgg aactccttag ccaaagcttc tggctcctaaa cgaacgggaa agagttgtcg 180  
 actccgttgg ctaaactacc ttctgctga tgttagaaga ggaaacatta caccgagga 240  
 acagcttttg atcatagaac ttcattgcaaa gtgggg 276

<210> 844  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952351H1

<400> 844  
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 gggcaggtca tcaagtgcag agctgcggtg gcatgggaag cagggaagcc actgtcaata 120  
 gaaaccatag aagtggcacc accccagaaa ggtgaagtgc gtttgaggat cctcttcaac 180  
 tccctttgcc gtagtgatgt ttattggtgg gatgctaagg accagactcc tctgtttcct 240  
 cgtatcttag gccacgaagc ttcagggatt gtgg 274

<210> 845  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952353H1

<400> 845  
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 aagctccttg ttttgcatag gagctagttg aaatgtccga gggaaatgca gggaaaggaa 120  
 agaaaatcgc catcattggt gtctcaacct tattgttggg ggctatgggt gtggcggtca 180  
 caattggggg caatctcaat gagaatgggt ccaacaatga tatagaggac aacaagaaag 240  
 atcatgttgc ttcttccata aaagccgtcc aaa 273

<210> 846  
 <211> 269  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700952358H1  
 <400> 846

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 gctcgttaagt ccacaggagg aaaggctcct aggaagcagc ttgcaaccaa ggctgcacgt 120  
 aagtctgcac caactactgg tgggtgtgaag aagccccacc gttatcgtcc tgggtaccgtt 180  
 gctcttcgtg agattaggaa ataccagaag agtaccgagc ttttgatccg gaagctcccc 240  
 ttccagaggc tggttcgtga aattgctca 269

<210> 847  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952362H1  
 <400> 847

aaagatggta tcagagaggc cagtgggtgat attcagcaag agctcgtgct gcatgagcca 60  
 caccataaag accctcttgt gtgactttgg ggtgaatcca gcggttcagtg agctggatga 120  
 gatcccaaga ggcagagaca ttgagcaagc tctttcaagg cttgggttgtt ctccatctgt 180  
 tcctgctgtc ttcatttctg gtgagcttgt tgggtggagcc aatgaagtca tgagccttca 240  
 ccttaatcgc tccttaattc caatgcttaa 270

<210> 848  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952364H1  
 <400> 848

gtatttactt ccacaggcat ggaaactgaa gaacctcctg cacctgctga gaagaaagag 60  
 gcgcaaaaaa gacgggggtgc tgctaaaaag aagtcaagtg ccatagtggt ggacgactca 120  
 gatagtata atgaaattca tgatgttgag gacgacgatg acaactttga aatcatgcag 180  
 ccggttgccc tagaagcagg gaaaaagaaa ggaggagaaa agcctgctgc tcaaaatgcc 240

aagaaggcac ctgctgctgc ttctaccaa aag

273

<210> 849

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952371H1

<400> 849

ataattgttg cttgtcaaaa caacaaattg aatgagaaag ttgatgatct tgttcaggta 60

tatgaaacag tggagaaaat gttattggat cctgaagaag ctctaaagat gattaggcag 120

acagaggaat caacaatggg taccgggtgaa ccaaggagcc cgtttaggac gcttagcctt 180

atctttggag gcaaagataa attattgagg aagtctgtct caaaagatca gacaaacgac 240

gaagagaagt caggtcggca gtcattctct 270

<210> 850

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952372H1

<400> 850

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ccaaattatc accattttcc caaagtgagt ttggaagaac agaatctggg gccataatat 120

tcactgacat taacatgata agtgggatgg aacagaccag ttttctattt cagcaagctt 180

ctaaggtcag cttccaagca ggtcaaaatc cttacaacgt aacaagtctt tttctcgccg 240

tgaaggaact cgaaaagtgt ttgtcatttt 270

<210> 851

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700952373H1

<400> 851

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gaagccattg gctgtggtga attggaggat gtcaacgttg aaagtgtcaa agaagttgat 120  
gcagtcagca caagcgaaca ccctactgtg gtggtagctg gttcacaaga atgtgtgatt 180  
ctacactaac aaggctctaa aattatgaac aaattcagca aatccgtagt gctttaagaa 240  
taattgctga attgtgtcac cgtttaag 268

<210> 852  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952378H1  
  
<400> 852

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catttccgcg atggtgctat tgcctcacgc attgagggcc aacacagagg agctcttcct 120  
tctgttattg tgattggtgc tggaatatct ggacttgacg cagcacgaag tctctatgat 180  
gcatctttta aggtgactgt actggagtca cgagataggc ttggtgggtcg cattcatact 240  
gacttctcat ttggctgtcc agttgac 267

<210> 853  
<211> 270  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952380H1  
  
<400> 853

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gagacccttc atgtgggagg ccacaagaag gaggaggagc acaaggggtga gcagcaccat 120  
ggtggagaat acaaagggga gcatcatggt gaacacagta ctgaatacaa aggagagcat 180  
catgttggtg agcacaagcc ggagcaccat ggaggagaag agcacaaga ggggttccta 240  
gacaagatca aggacaagat ccacggcgag 270

<210> 854  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952383H1

<400> 854

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gtgttgattc atggagatgg aagttttgct ggacaggggtg tggcttatga aaccctgcat 120  
ttaagtgtc ttccaaatta cactactggt gggacgattc acatcgtgtt taacaatcag 180  
gttgcattta caactgatcc gacttctggc aggtcttcac aatattgcac tgatgttgcc 240  
aaggctttgg atgctcccat ctttcacgtg a 271

<210> 855

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700952384H1

<400> 855

cttactggaa gccttggtgt gagtaagaga aaaggcttcc tgcaccgagc acaccaactt 60  
gatacctctg attctttctt tgcttagaat tccacagaat atggagactg ttcttttcaa 120  
tcaactcccca cctttggaat tcaaggggtt gagcaaggag gaggaagact cattgctagg 180  
gcaagtggaa atatggaggt acatgacatg cttcacggac tccgtggcct tgaaagctgt 240  
catagagctt cgtatagcgg acatactaga c 271

<210> 856

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700952392H1

<400> 856

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ggcgccaagt acaagctagg tcgcaagatc ggaagcggat ccttcggcga aatctacctc 120  
gccactcata ttgatacctt cgagatcgtc gccgtcaaga ttgaaaacgg taaaacgaag 180  
catccgcaat tgctttatga ggccaagctc tacaatatc ttcaaggagg aagtggaatc 240  
ccgagcataa aatggtgtgg tgtaga 266

<210> 857  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952403H1

<400> 857

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 aagattcaag tgcattggaat tcgagtaaac ctcaccctaa gctcaatgaa agaattctgt 120  
 cttctctgtc acggagaact gttgctgctc acccctggca cganttagng attgggccag 180  
 gagctccagc agttttcaac tgtgtggttg aaattggcaa aggaagtaag gtttaagtatg 240  
 agctggacaa gacaagtgga cttat 265

<210> 858  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952406H1

<400> 858

cagaaacaaa cgaaaccag tagacatggc gaaatcggcg tcgaattctc tgatgcagag 60  
 cctgaagcgg ttcataaaga agccatggga gatcacgggc ccgtgcgcgg accctgagta 120  
 caaatccgca ttgcccttgg ccgtggagta ccgcctcagc tgccccgcca ccgtcaagga 180  
 gaagcccatc atcccact ccctcccgga gaccgtctac gacatcaagt acttcacccg 240  
 cgaccagcgc cgcaaccgcc ct 262

<210> 859  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952408H1

<400> 859

gaagagttaa aaatttgaat tggagataga agagctatag tcacaaagga ttggaatata 60  
 tcttgggttg gcaatttgta cttatcagtt gtaatgtcct cccctgaata accgacataa 120

ggttatggtt cttgctcaaa ggcattcct tcatttttgc ccagttatgt ttatcagaat 180  
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 aatatgatgt taatgttatc 260

<210> 860  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952450H1

<400> 860

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 cgtttgagtg ttgacgggtg acatccctgt taaatttctc tcgcggactc gccgtcactg 120  
 tctcacggag gctactggag ctgtttggaa cagcgtccaa tggcgtccct ttctcaatct 180  
 caccgtatcg cactcccttt ctaaacgcac gcggcgagtg atgatggcga gactcgctcc 240  
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<210> 861  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952459H1

<400> 861

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 cattttctct acttttaatc tcagcctctg tttctgctct tgaacatgta aaccacaaaa 120  
 agattgatcc caccacgct gaaactagtt ttcttggcaa agtcatgaac tttttgtgga 180  
 gctcatctgg gtctggatac gaacatactt ggccagaaat agaatttggg tggagaataa 240  
 taacgggtac gataa 255

<210> 862  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952476H1

<400> 862

gtccttgctg tantcatgag gaaantgagg aaaggggcat anncggttca agaagatcag 60  
acactcattg cttacattca gaaacatggc acaggaagct ggcgtacctt gnccacaaaa 120  
agcaggctctt caaagatgtg gnaganttnc nnggctgaga tggtttaact accttagacc 180  
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<210> 863

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952479H1

<400> 863

ctctaaaccc taaacaactc tttctcttct tccttcgctc gttgttctcc ctgcgctaga 60  
tcgacaatgg cggagacaga gacgtttgct ttccaggctg agatcaacca gctcctcagt 120  
ctcatcatca acaccttcta ctccaacaag gagattttcc ttcgtgaact catcagcaac 180  
gcctccgatg ctttggacaa gattcgattt gagagtttga cagataagag caagctcgat 240  
gctcagccag agttgt 256

<210> 864

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952488H1

<400> 864

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gagacccttc atgtgggagg ccacaagaag gaggaggagc acaaggggtga gcagcaccat 120  
gggtggagaat acaaagggga gcatcatggt gaacacagta ctgaatacaa aggagagcat 180  
catgttggtg agcacaagcc ggagcaccat ggaggagaag agcacaaga ggggttccta 240  
gacaagatca agga 254

<210> 865

<211> 125  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952492H1  
  
 <400> 865  
  
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 gagtc 125

<210> 866  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952496H1  
  
 <400> 866  
  
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 attctattat tatatatggc ttcttcacct tcctcagaaa acaaaaacct agagggagta 120  
 gctggtggtg cgggagagaa acccattcca cttggtgaga acgttctgca gaagcatgct 180  
 gcattctttg acttgaataa agatggtgtc atctacccat gggagacttt taaaggggtg 240  
 cgtgaaatcg ggac 254

<210> 867  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952502H1  
  
 <400> 867  
  
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 aagtcaggac tgacaagact taccctgctg gtttcattga tggtgtttca atccccaaaa 120  
 ccaatgagaa cttccgctg ctctatgaca ctaaaggccg attccgtctc cattctgtca 180  
 gggatgatga ggcaaagttc aagctctgca aggttaggtc agtgcagttt ggccagaaag 240  
 gtatcccata cctgaacacc tatga 265

<210> 868  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952504H1  
  
 <400> 868  
  
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 actataaagg gctaacaact tgggctaagt gggttcagag aaacgtcaat ccagcaaaaa 120  
 ccaaggtctt cttcttagga atttctcctg tgcattacca ggggaaagat tggaatcgac 180  
 caacaaagtc atgtatgggc gagacacaac cattctttgg actgaagtac cctgcaggga 240  
 caccaatggc ttggagggt 259

<210> 869  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952507H1  
  
 <400> 869  
  
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 tctgtgtgat acaattcaat tgctgaagga cctaatttct caagttagta aactcaaaga 120  
 tgaatatgct atgctaaatg aagaatctcg tgagttgact ctagagaaaa ctgatctcag 180  
 ggaagagaag gcttctctta aatcagatat tgacaacttg aataatcagt atcagcagca 240  
 gctcaggacc atgttt 256

<210> 870  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952508H1  
  
 <400> 870  
  
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 gaagatgggg acatctcctg agacgctatg ctgcttgtgt cctcctcctt ttaggcattt 120

tcttgagatt gtagtgaata tgaaatttga tgaagaacct aattattcca agctaataatc 180  
 tttgtttgat ggtacgattg gacccaatcc agcattgcgg ccaattaata ctgaagggtgc 240  
 ccaaaagggtt gggca 255

<210> 871  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952511H1  
 <400> 871

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 gatttgtggg agaatcctct ctcccaacca cgtcttcaaa ccaggggaca cacattcaat 120  
 ttgtaaagga ccatactcca atctttgtgt acccatgggt gtattggcaa cagggcctgg 180  
 tataggaggt ggggtgctgg aaaagccagt tattgaaaaa gtcaccctg gccgtgagtc 240  
 tgaatttgat ttaa 254

<210> 872  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952525H1  
 <400> 872

ggaaaaatgg agttgttctt ctacgcggtg ttcggcggtt tgggagcgggt tgttgcaagt 60  
 acggagctga gcaagagcaa caaggaccga atcaacacct cttccgcatt caattccttc 120  
 aagaacaact acctcatcgt ctattccctc atgatggctg gagattggct acaagggtcca 180  
 tatgtctact acctttacag tacatatgga tatgggaagg gagacatagg acaactcttc 240  
 attgctggtt t 251

<210> 873  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952550H1



<400> 873

ggagaagaaa agcataacaa gcagagcaca ttgttttagtg ctagcatttc caggtcaagg 60  
ccatatcaat cccatgcttc aattctccaa gctattggag cgtcaagggg tgagaataac 120  
acttgttact actcgtttct attccaagaa ttgcaaaac gtgcctcctt ccattgctct 180  
tgaaaccatt tctgatgggt ttgatgaagt tgggccccaa gaggctggga gcccgaaggc 240  
ctatatagat cgcttgtgcc a 261

<210> 874

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952552H1

<400> 874

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gcgaaaaatg tctctggtgg cgaacgagga tttccagcac attctgogtg tgctgaacac 120  
caacgtggat gggaagcaga agataatgtt cgctatgacc tccatcaagg gtattggaag 180  
gagattcgcc aacatcgctt gcaagaaggc cgatgttgac atgaacaaaa gggctggtga 240  
gttgagtgtc gcagag 256

<210> 875

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952554H1

<400> 875

cacgttccga gttttctgat cgctcataga gagttcgacg cggcggttgc agaagaagat 60  
tgcaagatga agttcaacat cgcgagtccc accactggat gccagaagaa gctcgagatc 120  
gacgacgac agaaactacg agcatttttg gacaagagga tctcacagga ggtcagcgga 180  
gatgcacttg gtgaggaatt taagggctat gtcttcaaaa ttactggagg ttgtgacaaa 240  
caaggattcc cgatg 255

<210> 876

<211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952562H1  
  
 <400> 876  
  
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 tgaagaatct tagattctgt gggaaaagct tctcaatctt tgacgaagat aaacaacaat 120  
 gtcttcactt ggggctgcta gagcagacaa cttttactat cccccagaat gggaaccgaa 180  
 tcagggttcg ctgaacaagt ttcattgtca acatgccttg cgagagaggg cgagaaaatt 240  
 agatcagggt atc 253

<210> 877  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952563H1  
  
 <400> 877  
  
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 ctggtcaccc tctggctcgg ttacacccta taccagcgat taagattcaa gtcacctccg 120  
 ggtccaaggc cctggccggt agtcggtaac ctctacgaca taaaaccggt ccgcttccgg 180  
 tgcttcgagg agtgggagca gtcttacggc ccataatat cggtttggtt cggttcgacc 240  
 ctaaacgtca tcgtt 255

<210> 878  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952568H1  
  
 <400> 878  
  
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 ttggatctga tcgaatccaa acccaaacc taatctaata ccaaaaagct tattagtctc 120  
 tctcgatcaa tcgaaccagc gagcaagatt gtctctctcc taggccatgc gaccacctg 180

ttctctcgcc atcgccctct ccagagaggt ttcttttttc gttttcgccg atttctccat 240  
cgattccgcc agccat 256

<210> 879  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952569H1  
<400> 879

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tctcactttc ttctctctct tctcttcttc cgttgctgcg atttactcag cggcaacatg 120  
ttctaacata gtgccgctga gataccgcag cgacagaatc tccataacgg acttcgggtgg 180  
tgtcggcgac ggccgcacgc tgaacacgaa agcgttcaga gcggccgtgt accgcattca 240  
gcacctgaga agg 253

<210> 880  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952570H1  
<400> 880

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ggtggcgcttg gcagcaatcg cgggtggtagc ttgcgttggg cttacacagg cccaaccgga 120  
ggccagggttc aagtgcaca gcgcgaacat cccacgtgt cgcgcgctca taagctactc 180  
tcacccgaac accaccaccc tcggcgacat ccaaaagctc ttcaacgtga aacacatcct 240  
cgacatcgtg gga 253

<210> 881  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952571H1  
<400> 881

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 ctgctcctgt gtccacaggg ggtacttcaa atcatgttga aaacgggaaa gtagaggtag 120  
 aggcacgcgt ggaggataaa attgtgaaac cagaagcgga ttcagagtgc attccactac 180  
 aagatgtcct aaatagtata aatactcttc actcagtcct cgtaatggac gatgctcaag 240  
 ttttaaataa cgca 254

<210> 882  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952579H1

<400> 882

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 tctttctccc atgcttctgt cctagatttc tgtgttcagc attatgcagg tcctattgga 120  
 cctgcaggat attcctgcaa gaagccttca aaggtcacag cagatgattt tgcttacagt 180  
 ggccttggca ttgctggtaa cacctcaaac attatcaaag ctgcagtgac ccttgcattt 240  
 gatgctcagt ttgc 254

<210> 883  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952587H1

<400> 883

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 gccgcctc acctcgccgg agactttctc cgactgcctt ccgaaaccga taacgatgac 120  
 aacgtccagg gcacccgctg ggccgtctc ctcgccggtt ccaatggcta ctggaattac 180  
 agacatcagg ctgatgtttg tcacgcctat caaatactaa ggaaagggtg cctgaaagaa 240  
 gaaaatatta ttg 253

<210> 884  
 <211> 258  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952613H1

<400> 884

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ttcaggctgc ttcentgggt tctgcttctt tttctattgc taaagaggga aagtctgggtg 120  
tatctctcag ggacaccana atgtttgggtg tttcattgtc ggatactctc aaatctgact 180  
tcagctctcc ctcatcgact tgnaaaaggg nattccanca aaaatttggc cctttgaggg 240  
ttcagtcagt ggcaaaac 258

<210> 885

<211> 262

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952665H1

<400> 885

cccgttttct ctctctgttt ntccanggcc atctgatcaa actnttcttg attctctctc 60  
tcagtttttg ctattctgag tgatgggtat gccctgccgc tgttccaca cctcccacat 120  
cactgaaatc atcatcacca gcntcttccg ccacaagtct taaattacaa caattncctt 180  
canttatnca tcaaccaacc accttaanag ccttttchnaa tggttcctta aagatccaac 240  
ttggtcggag tnaacatggc gg 262

<210> 886

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700952677H1

<400> 886

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atcttccgat tccctttcgt cttggtttat gagctcgaag gagagacca ctcttggtgg 120  
cacgcggtt aagacccgca aacggaatat tgctgcgccg ctggaccctg cagcattctc 180

ggatgcagtg gtccagattt atttggataa tgctggtgat ctggaactta ttgctaagag 240  
cattgaatc 249

<210> 887  
<211> 278  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952702H1  
  
<400> 887

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gcagcgtg ccaaagcgtc gatattcatt tacatactcg tcgcagcggc gcttctctta 120  
ttcctctctc attccccgga taagcaactcc ggccaccgcc accgccgcct caagctccgc 180  
tccaacttca cctcgcgcc ctcgcgccac cagccgctcg ccttcgaccc tctcgctcgt 240  
gagctcgagc gccaccgcga ggacaaggag tgggagaa 278

<210> 888  
<211> 278  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952705H1  
  
<400> 888

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attcatccag cctcgtcggc cgctatctca gtggcgaacg cagcatgtgg aatggagcaa 120  
gatccagacg cctacggacg aagtgggttg gccttacgac actttggcgc caactcctga 180  
aggttcttcg gaggtgaaga atctattgga caagcttggtg gtgttgaagc taaatggagg 240  
cttgggaaca actatgggtt gcactgggtcc taaatctg 278

<210> 889  
<211> 272  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952735H1  
  
<400> 889

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 actcatatca gttatgggga aaaaagggca aaccagaatg gctatgtggc ttttctcaga 120  
 gatgcgtaat actggttgct gtcctgatac ttctgtctac aatgcgctaa ttacagctca 180  
 ccttcattcg cgggacaaaa caaaggcttt ggctaaagcc attggctact ttcagaagat 240  
 gaaaggaatg gagcgggtga agcccaacat tg 272

<210> 890  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952736H1

<400> 890

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 aattgtacgt accaagcaga cctctgcccc agtgatagtt gacgtgttag atatttcaaa 120  
 gaagataaag aaaactccag tgggtggttg aaactgcaca ggatttgctg ttaataggat 180  
 gttcttccca tatacccaag caggtctctt gcttggtgaa cgtggtgcag atgtttatca 240  
 aattgataga gtaataacca aatttggaat gcc 273

<210> 891  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952739H1

<400> 891

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 atactatcga acttcgacgg aagattctcg agagagaatc tttctgagaa aggcgcat 180  
 gcggatccca gaggtgcgc cgactggat cattccctca aaaccctaga ccgccggatc 240  
 tctctctacg tctctacga ccgccctatc tggt 274

<210> 892  
 <211> 272

<212> DNA  
<213> Glycine max

<223> Clone ID: 700952742H1

<400> 892

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tctgaaaatt gcccttgctc agattagaat ctgttccaga ctggaagcct tattgctgaa 120  
gaaaaaaaaat ttaagcaatg gagactctcc cgaaattcat gctcaaaagg ttgataagct 180  
gaaggtatta acggagtctc ttgccaaactc tgctacaaaa gctgaaaagc gtattttaga 240  
taacagacta caaaaagagg aagcattaag gg 272

<210> 893  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952745H1

<400> 893

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atcaagattg aattgttggt gtcgtcgtct tggggatggg atcgtgcctg tagatgacgg 120  
gggcacgggt gtgacgttgc tgaagcaggg acaggacctt gttattgtga atgtagatga 180  
ctccagagct gtattagctg cccaagatcg tagcaatggt tctcttattg ctgtccagtt 240  
gagcactgac cacaagccac atcttccaag 270

<210> 894  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952758H1

<400> 894

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ctcagtagat tacaatcaaa taggcctctt agagaattga gagagggtgc caagggagtt 120  
actaaacgaa ttggaggtcc tatgcatgaa ttggctgcaa aagttgacga gtatgctcgt 180  
ggcatgatca gtggttctgg atcatcactt tttgaagagc ttggactcta ctatattggt 240



cctgttgatg gtcataacat aaatgatct

269

<210> 895

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700952761H1

<400> 895

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tggaactgt tgaagctgca aacaaggatg caaatggaag tctcctagag aaaaatcctt 120

cagttgtttt tgtgttaggt ggcccaggaa gtggaaaggg tacccaatgt gcaaatattg 180

tccaaaattt tgggtatact catctcagcg ctggtgatct tctgcgagca gaaatcaa 240

ctggttctga aaatggtaca atgattca 268

<210> 896

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700952781H1

<400> 896

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acttcaaaag tgcgttcaag tctcacaaaa cggtgcattg gaacacgtgt caatggatta 120

aaacggtaaa acgaacacac ccttgttact tggacgtgga aattcacgtt cgcgctcctt 180

tttatcttgg cattgcgttt gtgtgtgtgt gcaatatcac acaaccaac cttattcgtt 240

cttctgttgt tctgaggcga gccatga 267

<210> 897

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700952783H1

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tcagagactt tggatgaacac tacggctacc ctaacggccc caagtccgtt gatcaaattc 120  
gagctactga attcaagaga ttacaattac aagatcttgt atacttggat catgctgggg 180  
caactctata ctctgacctg caaatggaat ctgttttcaa tgatctcact actaacctat 240  
acgcaaatcc tcacagccaa agtgact 267

<210> 898  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952789H1

<400> 898

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<223> Clone ID: 700952801H1

<400> 899

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cacagggacc ggaatagaga agccagacta tttggcgaca gtggatgtgg atccaaactc 180  
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<210> 900  
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<223> Clone ID: 700952805H1

<400> 900

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<212> DNA

<213> Glycine max

<223> Clone ID: 700952806H1

<400> 901

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aaattgagaa tggaatgctg tgggaagttg aggggaagtg gggttgtaag ggagcagttg 180  
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<210> 902

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952808H1

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ccacgctcga gttcaactca cctcgaccg gtgactcggc cgttgcaccg ttgttgaaga 180  
atcagaaggt gaacactttc tactacgtgg agctcaccg agttagcgtc ggcggggaaa 240  
tcgtgaccgt tccgc 255

<210> 903  
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<223> Clone ID: 700952809H1

<400> 903

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gatcaatggg ctggg 255

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<223> Clone ID: 700952812H1

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cttattgatg aaataccaat atatctctga tttcttcatt gcccttgctt atttctcaat 180  
ccctttggag cttatctact ttgttaagaa atcagcagta tttccatata gatgggtcct 240  
tgttcagttt g 251

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<223> Clone ID: 700952813H1

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tttctctcat cctggtggtt ggagtggcca taggtgtggt ggtggccgtc aacaagaagg 180  
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 atgaccagaa 250

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 cctgttcccg cagggcggtgc gggagttcgc ggtgggcgag gatggtagct tctgggtgcg 180  
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 <223> Clone ID: 700952823H1  
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 gtcattttgg cgtcaccgag attcaaagcc cccactgcac tctcttctcc cacaaccttc 180  
 ttcaggatat ttttgaatct atgggagact atgtagatgg gttaaagttt tctggagggt 240  
 ctcacagcat gatg 254

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 <213> Glycine max  
 <223> Clone ID: 700952827H1

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aacaccttct actccaacaa ggagattttc cttcgtgaac tcatacagcaa cgctccgat 180  
gctttggaca agattcgatt tgagagtttg acagataaga gcaagctcga tgctcagcca 240  
gagttggt 248

<210> 909

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952828H1

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tctccttatt atgatgggac acgaaccaa ggtggttatt ctaacatcat ggttgtgcac 180  
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<210> 910

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700952837H1

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 gaccaagtat gaagactcag atgtcaagtg gaaagagttg gaccccaagt accacttctc 180  
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 <223> Clone ID: 700952845H1  
  
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atcttgat tgcattgat ggtgtggaaa attcctttgt gaagaccagt ctcaagactc 180  
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<223> Clone ID: 700952847H1

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aaactcaagg atagtctgtc aaagtttcag gttgcaggtc tgccaaccaa tgtcaacttt 180  
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<223> Clone ID: 700952849H1

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<223> Clone ID: 700952858H1



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agtggttcca ggtgaagtac gagggagtga tccttaacaa gtcccaggct attctttagt 180  
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<210> 917

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 700952862H1

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aaagttctta tttaatattg 140

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<212> DNA

<213> Glycine max

<223> Clone ID: 700952876H1

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gaaacgcattg gcccatgtgg ttgttgcaaa ggatggcagt ggaaatttca ccaccatcaa 180  
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<210> 919

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700952882H1

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ttgtcggagt aatgaaggg gactacactc atgagatctc taacattata agcaacgctt 180  
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gttggtttgc ctcttagaga aaggagtaga gtttgaactt gtgcatgttg atcttgatct 180  
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<213> Glycine max  
<223> Clone ID: 700952892H1  
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 gccctccaa agaaaggcaa gctgcctcc agttcttctg aagatgactc ctctgatgag 180  
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<223> Clone ID: 700953042H1

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<223> Clone ID: 700953047H1

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<223> Clone ID: 700953083H1

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gtactacgaa atcctcggcg tctccaagaa cgcttcgcag gatgatctga agaaggctta 180  
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<223> Clone ID: 700953094H1

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<210> 941



<211> 256  
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 <213> Glycine max  
  
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 <213> Glycine max  
  
 <223> Clone ID: 700953112H1  
  
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 catgttgggt ttggggcagc atcatcgtct acatcatcct taggtgttgt gaatgcgttg 180  
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<210> 943  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953113H1  
  
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 gcaatgggtt ttctctcaag acataccaac tgatgttata gtggaagttg gagaaacaac 180

tttctctctg cacaagttca tgctagtggc aaaaagcaac tacataagaa aactgatatt 240  
ggaatcagat gagagc 256

<210> 944  
<211> 257  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953115H1  
  
<400> 944

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acaacaacgc tctcacgcac tagtttgacc acttcgctgt ttgcactttt ggttcctcac 120  
cgatccacac aggttggaga cacggagtgg cagcagaaaa aaaataaaaa taaaaaagct 180  
acctttttta tttattttgt gttgggggat gggaaaaagt gacccttata tttatataac 240  
ggtaatttgg aaatgag 257

<210> 945  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953116H1  
  
<400> 945

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tagagttttg cagatgtgcc agtggcggtt tctccagat gttcctcccc cttataaggg 120  
atacagggat gaggactggc aagacaatga tggagcacta aatacaatat ccatgactca 180  
tctcgcctc ccaattgaac accccaactg cttggttgaa aaggaatcag actgccaacc 240  
attacaacct ggcattct 257

<210> 946  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953117H1  
  
<400> 946

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 cgacggtgat attcttcaga atcctggcac atactttatc ttgtccgttt ttcgaccgag 180  
 cggcggagta gaattcgccg ccactggaaa cgaaacttgc cctctcactg tcgtgcagac 240  
 tctcttcggg agggg 255

<210> 947  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953119H1

<400> 947

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 tgattgggaa aggaagaata ggctgaaagt gtatgaaggc ctgtactgca tgtccactcg 180  
 aaatttcaag aaggctgcca agttattttt ggattctatt tcaaccttca ccacctatga 240  
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<210> 948  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953130H1

<400> 948

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 cgttcgatct aaggcttgaa ctaaaaacat cccatttcca ctccaactc tgtttcacca 180  
 tttcttcaat tgaatacttc tctgaatcac tatgatatat tcactctctt tctgctgcat 240  
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 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700953131H1  
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 accctgcggt gacattcggg ttgttccttg gacgcaaggt gtctttgggt agggcgttgt 180  
 tgtacatgat agcacagtgt gccggtgcaa tctgcggtgc tgggttggcc aaagggttcc 240  
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<210> 950  
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 <213> Glycine max  
 <223> Clone ID: 700953134H1  
 <400> 950

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 gtttctctca tcctgggtgg tggagtggcc ataggtgtgg tgggtggcgt caacaagaag 180  
 ggcgaggatc ccacacttca atctcaacaa aaatcagtag gggttatctg ccaaaacact 240  
 gatgaccaga ag 252

<210> 951  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953136H1  
 <400> 951

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 tggaaccgcg tcccgaacct gccaccgccc agcctcccc ggaggagaag gaggagccca 180  
 aacctgaagc caaggctaag aaaaccaagg aaccctaaacc taaaaagggt tccagaccac 240

gcaaccctcc ca

252

<210> 952  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953140H1  
  
<400> 952

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caagaggagg aattggaagg ctcatcggtt gttgtgtac tttcaatttc aggttaagaa 180  
agagcaaaac ggctgcgttt tcggtcatga gaaactttgg cgtgacgacg gaggaagacc 240  
atgagttcgt ga 252

<210> 953  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953148H1  
  
<400> 953

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tggcagacaa tgaggatgga agggataaga ctactcgtgg gaatgaatgg gaggttgat 120  
ctctgacagc atcgacatat gcagctgctc ctggctctga tgaagttgag atgaaggatg 180  
atgggaacga agatgtatat ggacaagatg aaggagaaac gttacatgct ttatttatgt 240  
ctcgtcactt tgt 253

<210> 954  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953149H1  
  
<400> 954

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atttggggcc aagatgttat ttcaatttcc cggaatagaa ttgggcttct ctccttgtct 120  
 aaatctccca atgaaacaga tgggcagcat cacattagcc ctcagaaact atatgtttct 180  
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 ttgttttctca 250

<210> 955  
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 <223> Clone ID: 700953152H1  
 <400> 955

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 gagacgtcc tagctactgt tttatttagt tggatgtttg cttctttgtt gggaccctgt 120  
 tgtgttggtt cacgtgacaa agaacgtagc aacataatct gtgagcatgc aagacatgat 180  
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 ggtttaatt 249

<210> 956  
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 <213> Glycine max  
 <223> Clone ID: 700953153H1  
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 ggaacagctg taaaccact atttcgagct gcatatttat cacaatctgc aaagcagaaa 180  
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 ctcactttta 250

<210> 957  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953160H1

<400> 957

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ggatgttact cctctatcca ctggtttgga gactgcagga ggagtcatga ctgtgttgat 180  
tcccagaaac acaaccattc ccaccaagaa ggagcaggtg ttctcaacct actctgacaa 240  
ccagcccggt 250

<210> 958

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700953161H1

<400> 958

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aatttgcatt aggtaaaaaa gaggtcccg aagttgcagg tgcattggcca atacttggtc 180  
acctaccact attgagtggg tcagagacac ctgatagggt tttgggtgct ttggctgata 240  
agtatggacc 250

<210> 959

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700953167H1

<400> 959

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tgccaatggc gaaaatctta ccgaagctct tttgccaaca cgagatgcac aacaacaaca 180  
tcaaacagac gacgaggaac aaagatttgg tgacaagctc tggcttgaaa ccaggaagtt 240  
atggctca 248

<210> 960  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953168H1

<400> 960

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 cacgtgggtct ccgtggacct gcttccacca gatccacctc caatcactca cttggatctc 180  
 aactttctag attctttctct agtggggcgga actcctcgta caccgtgggtg gatcatactt 240  
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<210> 961  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700953178H1

<400> 961

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 ttgaattgcg ttgccaccac cgatcaaggc gagaacgacc cttcctcgct ctgggtcaac 180  
 cctgaaatca aagactcctc caccgtctcg ccgccgaatt ccacgggtaa taagacgatg 240  
 catttcgaa 249

<210> 962  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953180H1

<400> 962

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tgactgtctt acagcttgtg ctgagaaaat ctctggccta tgggtggtctt gcacgaggtc 180  
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 attgtgacca 250

<210> 963  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953184H1  
 <400> 963

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 atggcagaac aaaacaaaa ccagacaact gaagctggaa ggcaccaaga ggttggccac 120  
 aagagccttc tccagagtga tgctctttac cagtatatc tggagaccag tgtctacca 180  
 agagaacctg aatccatgaa agaactgaga gagttgacag caaacacccc atggaacatc 240  
 atgaca 246

<210> 964  
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 <213> Glycine max  
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 cgatgtcaag ctctttaacc gctggagctt cgacgatatt gagattactg acatttctct 180  
 ggctgattat atcggagtgg cgacatccaa gcacgccacg tatgtgcctc acaccgccgg 240  
 caggta 246

<210> 965  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953189H1

<400> 965

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cctcagcaact tccttccgcc acctttctccc ctccgatcgc cgtctccggc cgccgcaact 120  
ccgccgcgct gccgcgctac tccggcctcc ggctccgacc cgccgctgag accagtttcc 180  
cgactcacgc cagctcgaga accgcttctc gcggcggagg tgtcaagtgc gaggcaggag 240  
acac 244

<210> 966

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953195H1

<400> 966

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ccatcccatt tttctctcac ccccaaaacc aagaaaccga atcgattccg attccgattc 120  
cgatcaatgg ctgcggaacc caaggaatcg cttccaaca accccggtct tcacactacc 180  
cctgacgaag ccaccaaggg ttacatcatg caacaaacta tggtcagaat caaggacccc 240  
aaagtga 247

<210> 967

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700953210H1

<400> 967

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cccagttcag ctttctttgg cacaagcttg aagaaggtta ctgcctcaag ggtccctaac 180  
gtcaagatth cttctggaag tttcaaaatc gttgcggcgg agaaagagat tgatgagcaa 240  
caacagacaa acaaggacag atggaaagggt cttgcct 277

<210> 968  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700953222H1  
  
 <400> 968  
  
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 atggaaccca aaatgctcac tctcaaggct tcttcagcc tttggagtgc aaccccat 180  
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<210> 969  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953228H1  
  
 <400> 969  
  
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 tcggtccaat ggcacaagg gaaatgacat gtggccaggt tgtgagcaac ctgaccccat 180  
 gcatctecta tgtggtgtat ggtggaacca atgttctga acagtgtgc aatgggataa 240  
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<210> 970  
 <211> 283  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700953247H1  
  
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gatgaagaag tccaagcttg tgaccatgct cgatgaggtg gagcaaaggt acagacagta 180  
 tcaccaccaa atgcaagttg tgctaacatc gtttgagcaa gcagcgggtg ttggtgcggc 240  
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<210> 971  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700953253H1  
 <400> 971

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 cccaatttga catatgcaaa agagttggtt gctcgtatgg gattgggcaa atccgaacca 180  
 caagatgatc cccagagtt tgggtgctgct tctgatggtg atgcagatcg caacatgata 240  
 cttggtaaaa gggtttttgt cactcctcag a 271

<210> 972  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953264H1  
 <400> 972

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 accaatcctt ggcataattg atcaacctgt gttaagagaa aggtggatcg ggatagcagg 120  
 aaagagaacc tcaactgaacg gacaagaaat atctacacgc acttgtgcgg acctttctca 180  
 agcatacctg tacaccacaa gccacatct gttcagtgga gatgcagaag aggcattcat 240  
 tcgtgttaga agcaagggtta aaattccatt gtatggctgc g 281

<210> 973  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700953271H1

<400> 973

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ctaaatagtg gtgataataa tggacagttt gtttctagtg tttgctggag aaagaaatct 180  
aacatgcttg ttgctgcaa ctcagttgga attgtgaaac tattgcagat ggtctgacac 240  
aaaagagaaa atatttggtt aacattt 267

<210> 974

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700953282H1

<400> 974

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aaggatctca agcgtgggta tgttgccctg aactcaaagg atgacccctgc caaggaggct 180  
gctaacttca ctgcccaggt tatcatcatg aaccatcctg gtcagattgg aaatggctat 240  
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<210> 975

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700953290H1

<400> 975

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cactattggt tctgcctcgt gggaccgcac cgtaagggtt tggaacctga caaactgcaa 180  
gttgaggaac acgcttgctg gacacaatgg ttatgtgaac actgttgctg tttcccctga 240  
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<210> 976  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953302H1

<400> 976

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 cctgtttagt aaattcacta tgcgatcatg tcagacacct ttattacagg attaaatcaa 180  
 ggggtgccact tgcataact accatttcta cctcaacttt caattccctc ataaggatcat 240  
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<210> 977  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953304H1

<400> 977

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 tggttccaga tactacacca agagtttcaa aggatcggtg gatgctttcc atgtcaatac 180  
 agttgatata actggtgccg gtgattcctt tgttggtgct ttattgcaa gattgtcgat 240  
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<210> 978  
 <211> 265  
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 <213> Glycine max

<223> Clone ID: 700953308H1

<400> 978

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gatgagccat tcagtgactt cacaagaaca gccaaaaggt tgactattct aatggattct 180  
 ggcagcaaca atgtaggagt gtagtggggc agaataaact attctttaat tgtacagata 240  
 gttcacgaag tctcattttc taacc 265

<210> 979  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953311H1  
 <400> 979

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 agtatatggg gaaggcaagc gtcacgttag gccatccaac ttttgtctac actcgccctc 120  
 ttgatgcaca aactccttcc tctaaggcac agctttgcaa ggagttcaac tctatggggg 180  
 tcacacttgt ccatggagaa cttgagcatg accagattct ggcatgatta aacaagtaga 240  
 cattgtgata tgttctcttc cata 264

<210> 980  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953312H1  
 <400> 980

cgaaaatgtg gaagagaacg ggttttgaag aagaagcagt tcaattgatc aactcagatt 60  
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 ttggctttgg agcctctttt ttcggattgt ttgctgccat tgctgctatt tatctgttga 180  
 ttttggatcg tacaaactgg aaaacaaata ttctcacagc actatcattc catacatttt 240  
 cttcagcttg ccttcattaa tttt 264

<210> 981  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953319H1

<400> 981

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acctagatgt gaaagatcct cacacaatga agagtgtacc agctgatgct aaaaccatgg 120  
gtgaggatgat gttcaggggc aacctgtga tgaatggata tctgaaggac ttgaaagcaa 180  
cacaagaggc atttaaaggt ggatggtttt ggactgggtga tttggagtaa agcatcctga 240  
tggatacata gagcttaagg atc 263

<210> 982

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700953324H1

<400> 982

gagattacgg cgctctcaaa gccaatatg aatcacttaa acttaactac gacaccctcc 60  
aacaagacca cgaagcetta ctcaaagaga taaaggaatt gaaatcgagg ctggtgcaag 120  
aagagaacaa caacaacact gaaagcgatg tttcggtgaa ggaagagatg ctgaccacca 180  
cgctctgtga aaccgccatt cctggatcgg acacgaagga gttgggttac agtgttttaa 240  
caagagtgat gaggtgggag gggg 264

<210> 983

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700953327H1

<400> 983

tcgggattga ctgcctcaat tgctctagaa aaggcaggac agatggaatc tggaaaagtg 60  
gtccttggtta ctgctgcggc aggaggaacg gggcaatttg ctgttcagct agcaaaatta 120  
gcaggaaata cagtggttgc aacttgtgga ggtggggcaa aagccaagct tctgaaagat 180  
ttgggagtta acagagtcac agactatcat agtgaagatg taaaactggt ctaagggaag 240  
agttccccaa aggtattgac at 262



<210> 984  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953328H1

<400> 984

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 gaggtgggtt tgctagattt ctggccaagt ccatttggga tgagggtcag gattgcactt 120  
 gctgaaaagg gtatcaaata tgagtccaaa gaagaggact tgcagaacaa gagccctttg 180  
 ctctcaaaaa tgaacccggt tcacaagaaa atcccggttc tctccacaat ggcaaacc 240  
 tttgtgaatc tctcgttgct gt 262

<210> 985  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953330H1

<400> 985

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 gcgtctcttc ctcttctctt tgcattcat cctcattcat aatcttccaa tccaacaacc 120  
 tcagcctcac actcacacat acacacatct gaacgcgtat cgtccctccc atggcttcaa 180  
 agcgcctcct caaggagctc aaggacttgc agaaagaccc accacttctt gcagcgctgg 240  
 tccagtagct gaggacatgt tcca 264

<210> 986  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953335H1

<400> 986

caacttctgc tacttcttac tccaaccgca cttctgctcc gcaattatca tgggcaagg 60  
 caagatcgga atcaacggat ttggaagaat tggccgtttg gtagccagag tggctctgca 120  
 gagagacgat gttgaactcg ttgccgttaa cgacccttcc atcaccaccg attacatgac 180

atacatgttt aaatacgaca gtgttcatgg aacttggaag ctacgatgt caccgttaag 240  
gacgagaaga cccttctctt c 261

<210> 987  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953336H1

<400> 987

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gaaggctgat ttcagcgctc cccattccat gggaaccact atcatcggcg ttacttataa 120  
cggcggtgtc gttctcggag ccgactctcg aaccagcacc ggagtgtatg ttgccaaccg 180  
agcatcggac aaaatcactc agctcactga taatgtatac tgtgtcgctc tggatcggct 240  
gctgattctc agattgtctc 260

<210> 988  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953341H1

<400> 988

caacctccaa aacacaacac cacaaggaaa caaaacaacc cattgagagc ttgcacaact 60  
ctcatggtag tagtagcact actacttcac aactctctc tctgagtgcc tcacaccaca 120  
gattctgtga tatatatacc aatggaggcc ctcaatgctg ctggcttgac ccctctatct 180  
gtgctctctg atacaaaaac aacaagaact aaacaccctt cgtttctgta tgcaaagtct 240  
caaacttttc cacctcaacc a 261

<210> 989  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953344H1

<400> 989

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 tgggactatt aagtaagggt ccacatgcaa gattgggtcc aatcctgggc cactgcttgg 120  
 acaatgaaaa tgagaaatgc atagtttaca agtacatgcc aaatcgagat ttagctactt 180  
 ccttgacag agtcactggt tcagatggta aaatacagtc ctggattgga tcacgagatt 240  
 gaaaattgcg ataggagctg 260

<210> 990  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953345H1

<400> 990  
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 gatggtcttg gtgctgagat tgttggcact ttcattcttg ttacaccgt tttctccgcc 120  
 accgatgcca aacgtagcgc cagagactcc cacgtcccca ttttggcacc cttgccaatt 180  
 gggttcgtg tgttcttgggt tcacttggca accatcccca caccggaact ggtatcaacc 240  
 ctgctcgtag tcttgggtgct 260

<210> 991  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953350H1

<400> 991  
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 aaattgtttc tttttttttt cgaatttacc acaaattaga aatcgataaa gaaaaatggt 120  
 gaggggtgtg agaagctgca ttcaatcgat tttgaagctg gtgaactcgg tgattgggat 180  
 ggcggggcta gccatgattc tgtactccgc atggatgatt gggtttggca gaggaagatg 240  
 ggcgaacttc cctttggtca 260

<210> 992  
 <211> 259

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700953353H1  
  
 <400> 992  
  
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 atggagtatc gtctcctacc catttttact ttactcaatc ttgcactggg ggcaatccat 120  
 gctgctttac ctctgaagt ttactggaag tcggtgcttc ctactacgcc aatgccaaaa 180  
 gccatcactg atatccttta ccccgattgg gtggaagana aagtacctca gtgaatgttg 240  
 gaggcaaggg cgtaaactg 259

<210> 993  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953361H1  
  
 <400> 993  
  
 ttcgaccct ccaagcgcaa aggatactta tcgtgggatg actatTTTat ggcaattgcg 60  
 tttttgtcag ctgagaggtc caaagaccct aataggcagg ttggggcttg tttggtgagt 120  
 caagatggtg taattcttgg aattggttat aatggatttc caagaggttg ttctgatgac 180  
 aagctaccct gggcaaagaa atccaggact gggaatcctt ggagacaaag tacccttatg 240  
 tttgtcatgc agaagtaa 258

<210> 994  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953375H1  
  
 <400> 994  
  
 gatgttcttc taccctTTTT gccactcact cgacaacacc ataaccataa accaccccat 60  
 tagagacggc gacgttttgg tctccaacgg tttaggaaac tttgcgctcg gtttcttcag 120  
 cccgcgaaac tccacaaacc gttacgttgg gatttggtag aacaaaatct cggaacaaac 180

ggttgtgtgg gttgccaaca gagacactcc tcttaagaca cttccggtgt tctcaaaata 240  
agcaacaacg gaaacc 256

<210> 995  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953381H1

<400> 995

gagcataaaa gaatttcaat tattttaaata ttctccctca tccaatcaca cttttaatga 60  
acgtggcaat tcaattgtgc gtttcagcat ccaatttttt aattgatgaa aggtgcgagg 120  
tgttctacga atgctgcaag ggttttctgg tccccattc ttttgggata aaaatgcaaa 180  
cattttccgt gcaaagagcg gagtgtacgt tagtcattct cacagaaaag tcttcactct 240  
ctgctcaatc agtttat 257

<210> 996  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953382H1

<400> 996

atttgtcagg gcatgctaga taaatttatt ccttagaaaa tatataataa ttgctcccaa 60  
acataaataa aatatacttt tgtggaaaat aattcaagct tcgtgttatt ttcttttttt 120  
agtttcattg acgaaatata aaagtttctg accgttcaat gcaaactcct gggcaagact 180  
aaaaggtagt ttgaatgctg tgaaagtatg gttggcttca attttccaag ttcctaagat 240  
gagccaaaat tttcaa 256

<210> 997  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953387H1

<400> 997

gtcagcacag gctttaggcg gccatatgaa tgttcataga agagataggg caagactcaa 60  
gcagccatat agccctcaga atgaaatcct aagtgttgat cttgagaaaa ttaccacgca 120  
accctgaat tcagttcaga tttcttttac ttctttgggt tacttatacc catcttctct 180  
tggtgtattg acccataata acactaacc taatctgac cttattctca tgctcctcct 240  
tcaccttcca agg 253

<210> 998  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953392H1

<400> 998

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gtcctacaat cagttagcgg aggagactgg actcaccaac gtctatgttg ctcagcttct 120  
caggagacag gctcagctca atccccaaac tgccctcta cttcgggcag cgctgccgca 180  
cctgcccaca gaccttgttt ctgagatgat gagaccctt tgaggtctta tgacccta 240  
ctcatccaag accc 254

<210> 999  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953393H1

<400> 999

gtttaggaag ggatggaagc ggcagtgggt gacgtcggct ctaagtcct caaagcgggc 60  
tttgcaattc ctgaccagac tcctgccatg gccgcactt ggagaggttt tatctccttc 120  
aatgcataat tctaagtttc taaccactt agctattctc aagtattact ttggacttca 180  
caaccgcaca atcatatcac cactttagta cctactatac ctaactatct atctctgtca 240  
gaatccctaa ttga 254

<210> 1000  
<211> 254  
<212> DNA

<213> Glycine max

<223> Clone ID: 700953394H1

<400> 1000

cgcaactgatg gtattcctga acaggacatt gtcaagcttg ttgacacctt ccctggccaa 60  
tccattgatt tcttttggtgc actgagggcc agagtatatg atgatgaagt gaggaagtgg 120  
atttctgggtg ttggtgttga cagtgttggg aagaagcttg tgaactcaaa agatggacct 180  
ccaacctttg agcagcccaa gatgactctg gagagctctt gctgtatggt aacatgcttg 240  
tccaagaaca agag 254

<210> 1001

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700953411H1

<400> 1001

gaacaagggt ttctctgtct gcttcttcac tttctctcgt ttcaatcgaa accaaaacaa 60  
aaacatgggc agaaaattct tcgtcgggtg caactggaaa tgcaatggga ccactgagga 120  
ggtaaagaag attgttatac tttgaatgag gctaaagtcc ctggagaaga tgtcgtagaa 180  
gttgttgtga gccctccttt tgtgttcctt cctgttgtaa aaagtttgct gcgccctgat 240  
ttccatgttt cgg 253

<210> 1002

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700953418H1

<400> 1002

ccaacgtgtc ctogaagtcg tcgaatttta gcgacgattt cgatgatgcg ttggaggcag 60  
ccgttagagc ctaccagaag aacttcaacc tcaacatcac aggggagctc gacgacccca 120  
cgatgaacca aatcgtcagc cacgctgcgg cgtgggtgac atcatcaacg gaaccacaac 180  
aatgaactcc ggcaagacaa acaccacgga ttcaccgacg ttccacacgg tagcgcatta 240

ttctttcttt gacggc

256

<210> 1003

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953436H1

<400> 1003

cagacactga tttatgtaga tagataacca taaccatacc atagcttaca aattaagctc 60

cgctcactct ctttctctct agaatccatg gcagccattg gtctgaatgg cgtaaagggt 120

gggacgacgt cgtctcaggc gtaccttgaa ggcaaggcag tgaaggagac gagagcgttg 180

atggctgaac tgtgtcgcca tttctacacc cttggatggg tgacagggac aggtggcagc 240

atctccatga aggt 254

<210> 1004

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700953445H1

<400> 1004

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cagtactctc aaatgggttg gatctatctt tcttgcccag cgatttcctc tttggcattg 120

cttcttcctc ttaccagtat gaaggagctt acaagagtga cggcāaagga ctgagcaact 180

gggataacta cactcacgga ccaggtagaa gtgtaataat ggatggaagc aatggggata 240

tcgcg 245

<210> 1005

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953457H1

<400> 1005

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cccatggct tttggcatga ttgtagatta aatcatgcta aatgtacttc ttcacaaatc 120  
 caatatttgc aagtggtttg acatatgaga aatagctttc acaagaagta taaatatgtc 180  
 ttcagtaaat tactgtaaca agtcatttcc ctgtatctaa tgcaggattc aggaatcaaa 240  
 tgctgaatg 249

<210> 1006  
 <211> 182  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953470H1  
 <400> 1006

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 ataaagtgtt tgctatgtgt tttgttggtc tttataaat atgtaatttg aatcatcaat 120  
 ctctgcttat aatgaatact tttggtgtta tatgaataaa aagtttggtg gggtatttca 180  
 tt 182

<210> 1007  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953485H1  
 <400> 1007

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 aggatgtgtc gctgggagcg aacaagttcc cggagagaca gccgattggg acggcggcgc 120  
 agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgacccga 180  
 cggagtttac gtcatgggtc ttttacagag cagggatagc agagtttgtg gccacttttc 240  
 tgtttc 246

<210> 1008  
 <211> 113  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953486H1

<400> 1008

gttctcagtt gaagcggttac cctcgctggc gccgcatctc tccgcagcaa agcgccgcac 60

ctcaccgcag caacgcgccg cacctcactg cagcagctcc gtcgccggca acg 113

<210> 1009

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700953509H1

<400> 1009

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catttgaaga tatgatattt tggatgcaag aagggtggcca ggttgggata tttgatgcca 120

caaacagtag caagcagcga agaaacatgc tgatgaaatt ggctgaagggt agatgcaaga 180

tcatttttct ggaaacaata tgcaatgatg tagacataat tgagaggaat attcgcttta 240

aa 242

<210> 1010

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953515H1

<400> 1010

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aaacattaaa aaagatatca agtatcaaaa tctaaacggc atcagcaaac atgtctcaac 120

accatggtga tgaaatggag tatgcggcag.atgataatga aatggcagag gtagaagagg 180

atatgtattt ccgtggcagg gcatttggtg aatcagattc ggatgatgac gacgactacg 240

aat 243

<210> 1011

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953517H1

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ctatcacctt ctccctgttg agccctcaaa cctgttttc tccgctgag attccgggct 120  
cgaaggacca ccttcacgct gctcggttac tccatgtcac cggagccgtc gggccggaga 180  
gtcttgtctt cgacgctgac ggcgaggggc cctacaccgg cgtcgccgat ggccggattc 240  
tcaagtggga a 251

<210> 1012  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953529H1

<400> 1012  
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gtgtttcttg gtcaactaag gcatccacat ctctgaagc tgattggata ttgctgtgaa 120  
gaagaacaca ggcttctggt atatgagtat ttaccacgag gcagcttaga gaatcaacta 180  
tttagaagat atacggcatc gttaccatgg tcaacaagaa tgaaaattgc agctggagc 239

<210> 1013  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953530H1

<400> 1013  
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gagcatttgt aatcccatca tagcaaagat gtaccagggt gctggtggtg atgcgggttg 120  
agccatggat gaggatggtc ctgcagctgg cagtggaagc ggtgctggac ccaaaattga 180  
ggaagtcgat taagcagaag attctcatgg gttgttcttg attttgtcaa agaccctt 238

<210> 1014  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953531H1

<400> 1014

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acaggtattg tgcttgattc tggatgatgg gtgagccaca cggtgcccac atatgaaggg 120  
tatgtctctc ctcatgcaat tcttcggttg gaccttgctg gccgtgattt aacagagtac 180  
ttggtgaaaa tccttaccga gagaggatac tccttcagca cctctgccga aaaggaaatt 240

<210> 1015

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953535H1

<400> 1015

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tggatcatca aaacaaacac gtagcagtct ttgctttccc ctttggcagc caccttatgc 120  
ctctcttaaa ccttgctctc aaactagctc attcccttcc aaactgttca ttctctttca 180  
ttggcacaca caaatccaat gcaatccttt tcccaaaacc ccacatccca aataacatca 240  
aggccta 247

<210> 1016

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700953543H1

<400> 1016

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tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180  
acgtcatggg cgttttacag agcagggata gcagagtttg tggccacttt tctg 234

<210> 1017

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700953557H1

<400> 1017

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ccaaggcggt cgcaacacca agtcccactt cgaaaccccc aacggcaaaa tcttcaccca 120  
gtccttcctc cctctcaacc tccaacccca ccaagtcaaa gccaccgtct ttatgaccca 180  
cggctacggc tccgacaccg gctgggtctt ccagaaaatc tgcatacaact tcgccacc 238

<210> 1018

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700953560H1

<400> 1018

ctgcgactct ctttccttcc ctctttttcc gaatctgaat cgaaatgggt tcggagactg 60  
agacgtttgc ttttcaggcc gagatcaacc agctcctcag tctaatacatc aacaccttct 120  
acagcaacaa ggagatcttt cttcgtgagc tcatacagcaa tgccctctgat gctttggaca 180  
agattcgatt tgagagtctt acagacaaga gcaagcttga tgctcagcca gagtt 235

<210> 1019

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700953575H1

<400> 1019

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gtctttcatt ttccggcgat ctcttttttc ttccatcacc gttttccggc tatccctaata 120  
ccttaacaga aatgacgaca tcaaggcgcc ttgcggacag gaaggtggag aagtttgaga 180  
aaaacatcac caaaagagga tttgtgccag acacaaccac taaaaagggg 230

<210> 1020

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700953578H1

<400> 1020

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tccttttagg aggaggatat ttgagcccat gggccgcata ttgaattttg gattagtcct 120  
aattttt 126

<210> 1021

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700953592H1

<400> 1021

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aacgtccagg gcaccgctg ggccgtcctc ctcgccggtt ccaatggcta ctggaattac 180  
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<212> DNA

<213> Glycine max

<223> Clone ID: 700953593H1

<400> 1022

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tcaggcactt cattgatgac tctcccaaac caccatctca taatcatcat cgttcgtcgt 180  
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<211> 259

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<213> Glycine max

<223> Clone ID: 700953609H1

<400> 1023

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tgaacttggtg ctttaagaag cttatgatgg tggccgggag tgggaacagt gagaaagggg 180  
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<210> 1024

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700953610H1

<400> 1024

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tcaccacact tatgcagggg tttatagaag aggctgacgt ggaaggcgcg ctgaggatta 180  
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<210> 1025

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700953611H1

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accctctcc agcacctttg ttcgaccag aggagctcac acagtgggcc ttctatagag 180  
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ttggctacaa aaggcagact g 261

<210> 1026  
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 <213> Glycine max  
  
 <223> Clone ID: 700953618H1  
  
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 ggccaggccg gtatccaggt tggaacgcc tgctgggaac tctattgcct tgaacacggc 180  
 attcagcccg atggacagat gccgagtgc aagaccgttg gcggaggaga cgacgccttc 240  
 aacacatttt tcagcgag 258

<210> 1027  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953630H1  
  
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 aaccttagta acattgccac atattgtgtt ctttttgaa ttgtgccact aaaattctat 120  
 tcaattcatc tatggctgcc tcttcttatg ctatgcaatc aatcctggca aaccctttga 180  
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<210> 1028  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953643H1  
  
 <400> 1028  
  
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tggtccctat ctttctggga tccaaattta ttcccagaat gtgaagccag ctgtaaagtc 180
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tgatagcgaa cctg 254

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<210>	1029
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<212>	DNA
<213>	Glycine max
<223>	Clone ID: 700953653H1
<400>	1029

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<223>      Clone ID: 700953656H1

<400>      1030
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<212>      DNA
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<223>      Clone ID: 700953657H1
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<400> 1031

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ggaaagtctt acccaaccgt gagcgctgat taccagaagg ccgttgagaa ggcaagaag 120

aagctcagag gcttcacgc tgagaagaga tgcgctcctc taatgctccg tttggcatgg 180

cactctgctg gaacttacga cgtgagctcg aagaccggtg gtcccttcgg aaccataaag 240

caccctccg aac 253

<210> 1032

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700953673H1

<400> 1032

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cttcaacgcc gccgctgaag tgctcagtga taccctttgt ttagaacaat gagagcaggg 180

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<210> 1033

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<212> DNA

<213> Glycine max

<223> Clone ID: 700953675H1

<400> 1033

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catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120

caaggaagga atccccccgg accagcaacg tctcattttc gccggaaagc aacttgagga 180

cggccgtacc cttgctgact acaacattca gaaggagagt actcttcacc tcgtcctccg 240

tctccgtggt g 251

<210> 1034

<211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953678H1  
  
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 gacccttgct tctatctatg ttgaagccat tgaggtgggt taccgtcatt ttgacactgc 180  
 tgcagtgtat ggaacagagg aagccatagg cctagccgtg gccaaagcca tagacaaagg 240  
 ccttataaag agtagag 257

<210> 1035  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953685H1  
  
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 aacctcacct ctctcactct gcctcactct cttctcttc cttccttctc cttctctctg 120  
 agaacaacac cccacactcc tctctctctc tccgcttcc tctcttctca cacctccatg 180  
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 ttcgaag 247

<210> 1036  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953689H1  
  
 <400> 1036  
  
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 agccgccttc gccctcttcc tccgccgcaa ctgcagttc ccggaactct ccaccgcctt 180

tatcgactct gccaccggcc accgcctctc ctacggcgag ctctccacc gcgcaaaac 240  
cctagcctcg 250

<210> 1037  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953693H1  
  
<400> 1037

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atatatggcc atagctcggg tagttcggca agcaaagcgc cctcatgggt tgtgggtgaa 180  
gatgacagcc gtgaccatat tgggtctctg cttcatcttt gtgtgggggg tgttttcgtc 240  
ttcttcaacc tctg 254

<210> 1038  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953701H1  
  
<400> 1038

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tcttcctctt ccttcgtcc cctccaattg gaatgtgttt gtgacttcat atgctggtag 120  
ttgacatttt gaaattgtaa ctgtggtggg agcaataata tattttgaca tcatcatgga 180  
gatacagact tgtggcaggc cgattgactc cttgctagag aaagtgcttt gtatgaatat 240  
tctgtcgtct gattacttca 260

<210> 1039  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953709H1  
  
<400> 1039

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tgtatactat actgaccatg gaggtcctgg ggtgctcggg atgcctgctg gtccttactt 180  
atacgcgat gatctgattg aagtcttgaa gaaaaagcat gcttctggaa catataaaaa 240  
cctagtatt 249

<210> 1040  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953713H1

<400> 1040

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cctgctctta caagggaaca gcagtgcga tgaaaaatat gttggagatt gcatttcctg 180  
gaactgaggt tattcttgcg aattatcccc caacgcttcc gaagcgtctg ctaagcaaat 240  
tggttccag 249

<210> 1041  
<211> 252  
<212> DNA  
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<223> Clone ID: 700953715H1

<400> 1041

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tcaacacctt ctactccaac aaggagattt tccttcgtga actcatcagc aacgcctccg 180  
atgctttgga caagattcga tttgagagtt tgacagataa gagcaagctc gatgctcagc 240  
cagagttggt ca 252

<210> 1042  
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<213> Glycine max

<223> Clone ID: 700953719H1

<400> 1042

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ctttcatctg gggcatgtgg gtatggctct ttggcactag acataagtgg tggacacctt 180  
gcagctgggtg tggattctct cttcaaaaat ggagcaggtt gtgggtgcctg ctttcagata 240  
agatgcaaga accc 254

<210> 1043

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953726H1

<400> 1043

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tgtttccaga gacaaatatt cgtggagctt tgaagagctg cgggtgtagat atatacaaca 180  
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tgtgggtt 247

<210> 1044

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953740H1

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ggatttgggt tcacggcgga agatgatgtt acgattacgg ggttcgatcc tcgagacgcc 180  
gaggtagggc attccgtgga gtaccaatc gacctcgaaa tcgatcaciaa ggttattccc 240

ttcaagctc

249

<210> 1045  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953743H1

<400> 1045

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gattccatgg cttccacatt aaaagtgcaa ctacagagat tatacaacaa tggtgcaaag 180  
aaatttgaga ttgctggtgt tggtgcaatt ggggtgctgcc ctgcatacag ggtcaagaac 240  
aaaaca 246

<210> 1046  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953755H1

<400> 1046

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cataataata ataagcccaa agataaaaga tttccgtttg atgctggact ccttcaacca 120  
aaagattcag gagaccagcg tgaggcttct gcacttcgtg atgaggttga tatgctgcag 180  
gaagagaatg aaagtattct agacaagctc agactcgagg aagagagatg caaggaatca 240  
gaggccagag 250

<210> 1047  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953756H1

<400> 1047

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gggaggactt cacctcatac ttgcatttca acaagtatca tagtagtagt actctcctac 120  
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 tgtacttgca tagcctctta ggagaaacta gagtctagag atataatcct tcaacgggtt 240  
 gcttggtt 249

<210> 1048  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953760H1

<400> 1048

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 gatgttgatc aatgtgaagc aatccaccat gggtcggccg gcggaggaga cgccgcggag 180  
 ggcgttgtgg aactccaacg tggatttggg ggtgccgaac ttccacacgc cgagcgtgta 240  
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<210> 1049  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953763H1

<400> 1049

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 tgatttgcta caacctgatt ggaaggaaga gaaagacacc tctgtggatg tagggaaagg 180  
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<210> 1050  
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 <212> DNA  
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<223> Clone ID: 700953764H1

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attacgcaac tcttgtcagg gaactggagc aataattaat ttgatggctt tatcttggcc 180  
tctggcatta tctgccttgg tgatttgTtc tattttatct gcaattttcc tggtttatgg 240  
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<210> 1051

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953770H1

<400> 1051

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tgagtgtca atttgattgg tttaaaggac tcaaattctc cctttgtaca agcaaagaag 180  
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<210> 1052

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953777H1

<400> 1052

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aaagagagag atagagagag ggaaaaaggt tgctaccaac aacaaacaaa aacagtgttg 120  
cttgattccg cggTggcgag aaccgacgtg agcggcgag gagaggcgcg gaacggTggt 180  
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caagaa 246

<210> 1053  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700953788H1

<400> 1053

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 aaagatgggtg agagctcctt gttgtgaaaa gatggggttg aagaagggtc cttgggctcc 180  
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 cctccca 247

<210> 1054  
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 <212> DNA  
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<223> Clone ID: 700953790H1

<400> 1054

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 cttctgtttc ggccacaact gaaatttcag ggaatgaagt gaacacagat gggaagggtga 180  
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 gatt 244

<210> 1055  
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 <212> DNA  
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<223> Clone ID: 700953791H1

<400> 1055

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aaaaaactca acaggaaatc atggaaatgg tctgtcatcc gaaactgcaa agcagggcac 180  
tcaagctgtg aaaattcagc ccattgaagt tcctgaatta ccagtggatg aactcaaaga 240  
aatt 244

<210> 1056  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
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atgacgttga tncntctct atcagangct gatgtgaacc gatcatctgg cctgacaaaa 180  
gcactgcact tcaactgtgca gcttcaggtg ggtctgaaaa cgccgtcgat gctgtgaaat 240  
gcttcta 247

<210> 1057  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953806H1  
<400> 1057

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gcctcctcca aagaagcgaa tggataagct cgataccgtc ttcagctgcc ctttctgcaa 120  
tcatggcagc agcgtcgaat gccgccttga catgaagaac ttgatagggg aagctatttg 180  
cgggatatgc caagagagct ttagcactac catcacagct ttatcagagc caatagacat 240  
atacagt 247

<210> 1058  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953808H1

<400> 1058

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tggtgtttct cctgaacttc aggcagttgt tggtgagccg gcaatgccaa gaactgagat 120  
tgtgaggcag ctgtgggcat acataaagaa aaacaacctc caagatcctg gtaacaaaag 180  
aaagataatt tgtgatgatg cactgcgttt ggtatttgag acagactgca ccgacatgtt 240  
caagatga 248

<210> 1059

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700953814H1

<400> 1059

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cggtttccgg ttacgccatg gatatcgctc tcgttcagtt ctctccgggt cgggaaatct 180  
tctcgtttgt gtcgcgcaac aacagttgag ataccagtct caggagtgtc tgccgggtgtg 240  
ctgga 245

<210> 1060

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700953820H1

<400> 1060

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attcaggttg caaacatggc ttttccagac ccattcatgt cagtttctcc acagaggaag 120  
atgggaaggg ggaagattga gatcaagagg attgagaaca ctaccaatcg ccaagtcaca 180  
ttctgcaagc gcaggaacgg cttgctc 207

<210> 1061

<211> 254  
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 <213> Glycine max  
  
 <223> Clone ID: 700953850H1  
  
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 aaaatttgta cttgtcttgt gatccgtata tgaggaatct catgaacaag cccgaaggcc 180  
 ctcccaatag tegtgttac actcctggct ctccattaat aggatatggt gtgtctaaag 240  
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<210> 1062  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953863H1  
  
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 gatgaatggt agtggcggtt ttatgatgct gacgcttaag tccggcggtt ttctgtgga 120  
 agtcaacacc caaaagctga aacgcactga cagcagacaa acgggcgtgt tctctgtgga 180  
 aaggttcatc acatactcgg tgggttggtat gcagcgactc ctttcattga agataact 238

<210> 1063  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953865H1  
  
 <400> 1063  
  
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 gtggccgagt ttgtcaagtc ttgttgcgga gggagcatag gggcgagtgt tctgtttccc 120  
 agttgcattg taaggatga gacgtatccg ttttatcagc attcggaac ctctgcgcca 180  
 acaatgattc agcgtggaag aaatattgga actgaagtgc ttgtgatcgt tgttgtcttg 240

cttgtggttt tgg

253

<210> 1064

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953866H1

<400> 1064

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cacagatcct ctcagaggga ggccttgact acttgggcaa cccaaacctg atccatgctc 120

agagcatcct tgctatctgg gctgttcagg ttgtgtcat ggggtttggt gaaggttaca 180

gagttggtgg aggaccactt ggtgaaggac ttgaccaat ctaccctggt ggtgcttttg 240

accctcttgg tc 252

<210> 1065

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700953870H1

<400> 1065

attgggggttg tttcaaagtc acaatccctt atgcatggtt tccatcaaca tatatataat 60

gacaatatat acaaaatata taaaatattt gaattaaagc tcataaactt gcacctcatt 120

tgttcacaac taattggatt aggatttact aaaaaatcac atttctctt ggcaactaat 180

cttccagtga gattacctat caaatacgaa gcttcatcta gacatttttg tatatcgctg 240

aa 242

<210> 1066

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700953871H1

<400> 1066

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aacctaagga catagacatt ctcatgtga actgcagcct tttttctccc actccttctt 120  
 tgtctgccat ggtcatcaac aagtacaagc tcaggagtaa catcaagagc ttcaacctct 180  
 ccggcatggg ctgcagtgtt gggttgatat ccgttgactt ggcacgtgac cttctccagg 240  
 ttca 244

<210> 1067  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953877H1  
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 gcaagcagtg aagaagtttc agcataacca gcacgaggag agtaggaggg cttttgagca 180  
 gaagctcatg tggcagaagc aagatgtgag gcattttaag gatgtttctc tttggaatca 240  
 ga 242

<210> 1068  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953878H1  
 <400> 1068

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 gttgaatatg ttataatgga aaagcagcag gaaactgctt acaaggaagc cattgaagag 120  
 tatcgtgctg tttcacaagc tcggatggaa aaatgttcca atcttaattc aaagagtgtt 180  
 cttgaagtgc ttcctcgacg acagataaac aactattttg ttcagttccg caagatagca 240  
 a 241

<210> 1069  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953879H1

<400> 1069

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atggcggacg ctgaaacctt cgctttccag gctgagatca accagcttct aagtctcatc 120  
atcaacacat tctacagcaa caaggagatt ttcttgctg aactcatcag caatgcttct 180  
gatgctttgg ataagattcg attcgagagc ttaaccgaca agagcaagct cgatgct 237

<210> 1070

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953882H1

<400> 1070

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gaatttgtcc aagcttatgc tcaactcccc gaccgattga aagagaatat tcttccatgg 120  
cctccaagcg gattctaaag gaactcaagg acctctagaa agaccctcca acctcttgca 180  
gttccggtcc cgtagcggaa catatgtttc attggcaagc aactaaaatg gatccccctt 240  
atagccctta t 251

<210> 1071

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953884H1

<400> 1071

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agcgtcctgt ggctaacatg tgctttaagg tctacggcta catcagcatg gttcaagcat 120  
taaccttttt gcaagacttc aaacttggac actatatgaa gattccacca agaacaatgt 180  
tcatggcaca ggtggttagga acaatcttat cagtatttat atacacagta acagcatggt 240  
ggttga 246

<210> 1072



<211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953916H1  
  
 <400> 1072  
  
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 gatgccaccc acaagacaag aaagcgttgc tccaactcca gaaggacctc ggcaaccctt 180  
 atcacatcat atcctggaac gcaaaggagg attgctgcga gtggttctgc tgcgttaagt 240  
 gtgacgagaa aacaaaccg 259

<210> 1073  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953920H1  
  
 <400> 1073  
  
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 cttcaagaaa ccacagcgtc taagactccc accgggtcct ccaatttcaa tacccttgct 180  
 gggacacgcg ccatatctcc gttcactgct ccaccaagca ttgtacaagc tatcactgctg 240  
 ctatggaccc tt 252

<210> 1074  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953922H1  
  
 <400> 1074  
  
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 ttttgatatg ggcaatcctt agaccaccca aaccacctt cacgctccaa gacgtcaccg 180

tctacgcctt caacgccacc gtggcgaact tcctcacttc gaattttcag gtcacgctca 240  
tctcgcg 247

<210> 1075  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953926H1  
  
<400> 1075

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gagaaatggc taaagatggt gaggttcaag agcaaggagg agagtactct gccaaagact 120  
accatgaccc tcctccagca cctttgttcg acccagagga gctcacacag tggtccttct 180  
atagagccct catcgctgag ttcatagcaa cccttctctt cctttatgtc actgtgctca 240  
ccattattg 249

<210> 1076  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953929H1  
  
<400> 1076

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tgtgacacag ttgaacocca cttgctcaaa acctcgtctt cactcatctc agctctcttt 120  
tctatcaagg actcttctta gacatcgcca ctgcactttt gcgccacttc atagaactca 180  
acaagctagg atttcctggt ctgttgcacc aaatgaagtg cagggtgcaa ctgtgaaaac 240  
ccaggatccc aa 252

<210> 1077  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953930H1  
  
<400> 1077

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gataactgag ataacaatac catagatata gagagatagt tccgagctcc aattcccaga 120  
aaataaaaaat taaaactttg cttcgctttt tctcttcatt gtttttcttc ctcttctacc 180  
cctttgatct catgcaatct ctctcatgg atccctttga tttgattcgc aaagggtttg 240  
gctgaagcta tctgg 255

<210> 1078  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953931H1

<400> 1078

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aaaccaccaa gtactactgc acagtcacgc atgcccccg acatcgtgac tttatcaaga 180  
acatgattac tggtaacctcc caggctgatt gtgctgtcct tatcattgac tccaccactg 240  
gtgggttttga agctggg 257

<210> 1079  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953938H1

<400> 1079

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gaatatgtct cattctacta caagtcagat gaggaactcc aaaaagaccc tgaactccaa 120  
gcttggtgga aagaacttgt agagggtgggt catggtgatt tgaaagataa gccatgggtgg 180  
caaaagatgc aaactcgtga agagttgggt gaagcttccg ctatcctcat atggattgct 240  
tcagcc 246

<210> 1080  
<211> 244  
<212> DNA

<213> Glycine max

<223> Clone ID: 700953940H1

<400> 1080

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aaccaagggtt aagtcacaaa ccatatataa ttgccttctt tgtgacgaaa gcattatagc 120  
caacgggtttg tcaaccttca cccgccctac cgtttaagct tttagacagt gttggaattg 180  
gatatgcccc cagcctcata tcttcggcat cactcaaatt ctcaattaaa gataacaact 240  
gaga 244

<210> 1081

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700953944H1

<400> 1081

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ttcccataac tgtgatgttc cccatgttaa tcgcattgac taccagctca ttgacatctc 180  
agaggatgga tttgtaagat ttcagttgca cttgtgtccc ttattcattc cccttttctt 240  
ttaagcta 248

<210> 1082

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953946H1

<400> 1082

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ccaatttggt gggccatctt ctgaatgggt tattcctttg cattcagcag tagcatcaag 180  
tgaacagaaa agggatatttt tacgtcctcc aggaaatata cgtaaggctg ttatagcgac 240

aaatatagca g

251

<210> 1083  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953953H1

<400> 1083

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ccccactgta tttggagctg accatgaagt tggtgacact agtggatggg ccctcggagt 180  
taattacaac acctgggcct ctgggaaaac tttcacagtt ggtgacactt tgggtgttcaa 240  
gtatga 246

<210> 1084  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953958H1

<400> 1084

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gttcccatc tcgatcacca agctcctctt ctggctgctt atcctactca gcttcattgt 180  
gctcttcttc ttgggatctc ccccgctctc cgcttccct tcccaccgcc ggcgctcct 240  
ccgcgg 246

<210> 1085  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953961H1

<400> 1085

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gataccgaaa ctctcagttc gatatcagta tccttatctg gaaggatcca aaagagggac 120  
 actggtggat gcaatttggg aatgactatg tattggggta ttggccttct ttctgttct 180  
 catatttggc tgacagtgtc tccatgattg agtggggagg tgaagttgtt aactctgagc 240  
 ctgatggtc 249

<210> 1086  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953967H1  
 <400> 1086

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 gagaggttga agatgggagg agatgatttt gattggaata ctgatgatga gcttgaaatt 180  
 gagaactata actcttcacg ttcgtgttta acccttccta atggggatgc tggagaggca 240  
 agctcgtctg ca 252

<210> 1087  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953969H1  
 <400> 1087

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 ccgggctcag cgggagtgga aaaactgtta tcttctatca gcttagggat ggctctactc 180  
 atcagggtac tgttacatca atggagccta atgaaggcac ttttattctt cacaacgaga 240  
 aaacaag 247

<210> 1088  
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 <212> DNA  
 <213> Glycine max

[illegible]

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<211>	251
<212>	DNA
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<212>	DNA
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395

<210> 1091  
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 <212> DNA  
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 <223> Clone ID: 700953985H1  
  
 <400> 1091  
  
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 tcaaggtgaa ggaggaaacg gagccgtcaa aggtgagtga catggtgaac ggactcggct 180  
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 cctc 244

<210> 1092  
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 <223> Clone ID: 700953988H1  
  
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 caagcatccc ggaggtcgcg gtaacgccgg tggcatgcat caccaccgta tcctcttcga 180  
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 caa 243

<210> 1093  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953992H1  
  
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aaaacaacct cacaggggac tgatgctgat ttggcaaaaa acctatggga tttcagcatg 180  
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tattaaa 247

<210> 1094  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953996H1  
<400> 1094

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gagaaaagag ctcaatttgt atgccaatgt tcgaccttgc tacagtcttc caggctacaa 120  
aactcggtat gataatgtca atctaatac aattcgtgaa aatacgaag gcgagtacag 180  
tggaacttgaa catcaggttg tgagaggtgt agtagaaagt ctcaaaatca ttacacgtca 240  
agcaagttta agggta 256

<210> 1095  
<211> 261  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700954006H1  
<400> 1095

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ggacgctggc ggaaagatca agaagggcgc cggaggtaga aagggcggcg gcccaaagaa 120  
gaagccggtt tcaaggtccg tcaaagccgg tctccaattc cccgtcggaa gaattggccg 180  
ttatttgaag aaaggaaggt acgctcagcg tgctcggtacc ggtgctcccg tatacttggc 240  
tgcagttctc gaatacctag c 261

<210> 1096  
<211> 252  
<212> DNA  
<213> Glycine max  
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<400> 1096

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tcaatgctat ggtgaatcag tgtactgcac atcttcaaac ttgctgagca aatgcaacaa 180  
tgggcagagt ccaactggaca gggtcacatc agtagtagca tggagcatat ctaccacacg 240  
ccccacatct tt 252

<210> 1097

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954031H1

<400> 1097

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gatcctacag caaacctagt cactcctgga ccatatggcc ttatatttgc ttcatttgta 180  
ccctttttct ttgacattcc agtttcaaca cggtttcgtg tgttttagctt cctcttctca 240  
gacaagtcac tcat 254

<210> 1098

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700954066H1

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tgcagtaaaa attgctgagg atcattctga ctttgtaatt ggcttcatct cagtcaatcc 180  
tgcacatgag ccaggggcac caataaatcc ttctttcatt caggcaaccc ctggagttca 240  
aatggtaact ggtggcgatg ctt 263

<210> 1099

<211> 252  
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 <213> Glycine max  
  
 <223> Clone ID: 700954096H1  
  
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 aatcacaatt gatattgcct tgtggaagtt tgaaaccacc aagtactatt gcacagtcatt 180  
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<210> 1100  
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 atgagtagac tgggaggagc tgggtgcagtt gctcagcttg ttgctgatgt tcccccttct 180  
 gcagtggagg gggatcagga catagaaggt gtatccaatg agcaagcctg ggacaagtgg 240  
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<210> 1101  
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 <213> Glycine max  
  
 <223> Clone ID: 700954111H1  
  
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 tttcttttct ctaaccgaaa cgcgcttcgc agcatttctt ctccactctc tcacatctct 120  
 gacccattgc gctatattta cgactgtgt caaattcccc cataaaaccg gtattgattc 180

tccctcagat caaaatagag ttctgagagg tagcagtgtt actggcaatg aaaaatcttc 240  
 tgtagcttct attccgcact caa 263

<210> 1102  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954121H1  
 <400> 1102

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 tggcaccctt gcaccttttc atttctccag aagagaaaat ggcgttgatg acgtcactct 180  
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<210> 1103  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954127H1  
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 ctctctcgtg gcaacgctca cgtgggacgt ctgcgtaag gccacgtgtg cctttcacag 180  
 agaccacgct gacagccaag aggatgtgtg caaggaggt atctgttggc acggcgtcgc 240  
 gccgcatcc ccagcctctc agg 263

<210> 1104  
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 <223> Clone ID: 700954128H1  
 <400> 1104

caaggctcta ggtgattata cgaggatgat caatgatttt tcgacccttc ctttggaggc 60  
gagggagggc aaggttggat catattggta ccatgaggat acaaatgcat tttttgatga 120  
tgtggaccat tacaggatga tcaaggctat gtgcaggctt tcgtgcaatg tatgtgacaa 180  
gattgaggat caaccacagg atgctgcttc aaggcggcga gcaaagtta ggaatatagg 240  
gcagttgaag ggtcatttat tcca 264

<210> 1105  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954130H1

<400> 1105

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aaaacaacaa aagccttggt tcttctaaat tcttatgttt atgtttgttg atcaccttga 120  
tcagcattat tggtgctcca caagcggaag cagcacgagc atttttogtg tttggcgatt 180  
cgcttgtaga caacgggaac aacaatttct tggccaccac ggcgcgtgcc gattcatatc 240  
cttatggcat tgattctgca tctcataga 269

<210> 1106  
<211> 275  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954134H1

<400> 1106

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ccaaacgntg aaatccctca ctgggacgcc gacggaggag gaccactctc tccgttcac 120  
tcttcttctt ccaangctga caagtgtcga ttattattct cctccgacc atttccgaat 180  
gttccagtna aaggtccgga tctgtccacg tggcaggtcc cangattgga cggagtgtcc 240  
ctacgcccac cctgccgaga aggctcgcng ccgtg 275

<210> 1107  
<211> 271

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954135H1  
 <400> 1107  
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 gttatgcaat gttgggtgca gttgggtgcaa tagcacctga aattctaggc aaggctggtc 120  
 tgatccctca ggagacagca ctcccatggt tcagaacggg tgtgttccca cctgcaggaa 180  
 cctacaacta ctgggcagac tcctacacat tgttcgtggt tgagatggca ctgatgggat 240  
 ttgcagagca cagaagattc caagactggg c 271

<210> 1108  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954139H1  
 <400> 1108  
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 ccaggacgag ttcattaaaa tactgcagga gttctccaag ctctttggcg cgtttaatat 120  
 tgccgatttt ataccctatc tcgggtgcgt ggatccacaa ggtttgaact cgagactcgc 180  
 tagggcacgt ggcgcgctcg atagcttcat tgataagatc atcgacgagc acgtgcataa 240  
 gatgaagaat gataagagca gtgaaatt 268

<210> 1109  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954140H1  
 <400> 1109  
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 cggcgcgaac cgccgaggag gaagaagagc agcagaacca gctgtcgctg gtggcgcttc 120  
 tgttggcggc catcagaaaa tcgatgggtg cgtgcagggt ggacccaccc gacgatgtaa 180  
 tctccaccgt ccatcacatg gagatcggat ggccaaccaa cgtccagcac atcaactcatg 240

tcaccttcga ccgcttcaac ggcttcct

268

<210> 1110

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700954147H1

<400> 1110

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ggcttctgtg gctcatagtg gattgttgcc tcgggcagtg atatcacagc agcagaacca 120

ggaccaaaca caaggaatgg ttactataa caatccacca ggaccaccac ctcttcagca 180

ggaaagaagc tactacccat caatggatcc tcaaagaatg ggtgctcttg ttgcatctca 240

agatggctct cctgggtgggc cttctggggtc agggga 276

<210> 1111

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954152H1

<400> 1111

ctctttcttc ttttttagct atccctctct tgaaaaatct agatctcggt cttccttgat 60

ctacgttacg ctttttagtga ccggatctgt atggatctga accagatcta cagccgatg 120

gtggttttgg cctggtcttt catagatctg atgcatggag gtcagatct actgtacaga 180

gatactgtag ataatcgatg agaagaacgc agatccagcc gttccgctt gttcgatcgc 240

tacagacgct tgtatcggat tattcat 267

<210> 1112

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700954153H1

<400> 1112

cgaaatagtt gagcgggaaa taagagggtt caatacgggt gaagaggcca taaaacagaa 60

gaaactgttc atcctggact accacgattt gttgttgcca ttagtaaagg atgtgagaga 120  
 acttgaaggc acaacgctat atggatcaag ggcattgttc ttcctaaccc gcgaaggcac 180  
 attgagacct ctggctattg agctgactcg gccaccaatg gacggaaaac cgcaatggaa 240  
 ggaagtcttc acgccttgct ggcact 266

<210> 1113  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954154H1  
 <400> 1113

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 gaagtattgc cacaccact gtttctgtga aagcgggaag caacaacaat ttccttttct 120  
 ggattttggt ttgcttcttg ctaccaagtt ttctgggagc tcctgaagta tatgctcatt 180  
 tccaattgat aaagctcatt tgggggtgtga tcttttggca aggcacaccc atttgtggtg 240  
 tcattttctg aagtttcctt gttttt 266

<210> 1114  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954155H1  
 <400> 1114

cgttcgacga ggattttgaa gaccgttggg ttgtgtctca gaaagatgag tacagtgggtg 60  
 tctggaaaca tgccaagagt gagggacatg atgattatgg gcttcttgtc agtgagaaag 120  
 caaggaaata tgctatagta aaagaacttg atgaggccgt gagtctcaag gatgaaacag 180  
 ttgttcttca gtttgaaact cggcttcaga atggccttga gtgtgggtgg gcatatctaa 240  
 aatatctccg accacaggag gctgg 265

<210> 1115  
 <211> 272  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700954160H1

<400> 1115

agtaactcca actccaagtc acattggtga caaagttaga aacaaggaga aagaaagaag 60  
atggcaggaa agaaaatccc agatgtgttg ctgaattcag gacacaaaat gccagttata 120  
ggcatgggaa cttcagtggga gaatcgcca tcaaatgaga cccttgcttc tatctatgtt 180  
gaagccattg aggtgggtta ccgtcatttt gacactgctg cagtgtatgg aacagaggaa 240  
gccataggcc tagccgtggc caaagccata ga 272

<210> 1116

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700954161H1

<400> 1116

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atgatatccc aaagccagtc tggcgctacc caatgtcata catcagtttc cacttctggg 120  
cactacaggg tcagtaccag aacgatttgc gcggtttgat attcgacaac cagacaccag 180  
accttccaaa gatagcgggt gaatacatct tggaaaaagt gttccaaatt gatgtcaaca 240  
gatcaaagtg gataaacttg agtgtgatct tca 273

<210> 1117

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700954164H1

<400> 1117

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cttcagaaga gttggtttat gattgggaca acaagagatt gaatatagga actacaaatg 120  
atcagcatca aatatataca agttagagc aagtggtagg gacagggtgca gatccaaaac 180  
ctggactctt cccctcttat ccagcatga actcaactac agctccaagt ttgccattgg 240  
ccacatggct tccacctcaa gcttctgcac ctgccc 276

<210> 1118  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954168H1

<400> 1118

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ttgaggtgaa gacgttcac attggtcagg tcccgatctc acgatgggga agtcaccagg 120  
aaaatggatc aaaactgtac tgttcgggaa agtcatctaa atcaaattt tcaaaaggca 180  
gagagaagct tgttaatcaa aaaggagtag tagttacctc caaggtgcca gaaactgggt 240  
tggctttaga accaacctcc gatact 266

<210> 1119  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954176H1

<400> 1119

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cctaacccta acgaaacccc caaatccaat ggcttcgatt caacgcccgg cgagttcggg 120  
atcgtcggag ggaggagatc cgggtgatgta cgagaggaag aggaagcgta tggagtcgaa 180  
ccgcgagtcc gcccggcgat cgcggatgaa gaagcagaag cagctcgaag acctaaccga 240  
cgaagtgagc cgattggaag gcgagaa 267

<210> 1120  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954178H1

<400> 1120

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acaagaaacc caccatcact tcgagggaaa ttcagaccgc ggtcaggctt gtgctgcccc 120

gtgaattggc taagcacgcc gtctctgagg gtaccaaggc cgtcaccaag tttactagct 180  
 cttaaactgt tgtttatggg cttgttgac gcccaagtct gttctatgta tctggacacc 240  
 tatgttcaga ttttaataca ttgtaggggt gg 272

<210> 1121  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954179H1  
 <400> 1121

aaaattgttc tctcaccgtg aaagagagag agaggtagg ctatggctga tgagagcggt 60  
 gttgagtcac cagtgaagag gcagagagat gatggggaag aaaatgggtg ctctgtttcc 120  
 atggacgcgg aggggtggcaa agaccctctt agtaacgggt tatcatctgt gattcctggg 180  
 tggttctctg aaatcagtgc aatgtggcct ggagaggctc actccttgaa ggtggaaaag 240  
 attttgtttc aaggaaagtc agaataccaa aa 272

<210> 1122  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954184H1  
 <400> 1122

gagcaaagaa accagtcctc ctctccatgg catattgata tgtatatatg ttggtagtta 60  
 tgtatgcatg tatatattgg gtgagcaata gctagctagc attatattaa aaatgaaact 120  
 ggctaccctt aaaataatta gaaagatccc aagccctctg aagttgggtat ccagaagctc 180  
 aagttcagca gcaaagaagc cactattggg gtcaggatca ggacaaccgt cgtcgctcgtc 240  
 ggatggaagt agcaagcaac agg 263

<210> 1123  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954185H1

<400> 1123

gaaaggcgat ggacctcgga acctatgaag tgccagaagg agtggacatt ctaggaagat 60  
acgatgcaga gtttgcaaaa atcctcacia aagacgcttt gaaattcggt gctgagctgc 120  
aacgtgagtt caggagcgat atcaagcatg cattagagag cagaagagag gcaaagaaga 180  
agtacaatga agggactctt ccgggggtttg atcctgccac cagtcacatt agagaccagg 240  
agtggctgtg tgcacctgtt cca 263

<210> 1124

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700954191H1

<400> 1124

tttcaaggag agagagaaaa tatagcacgc cgaaaaacac gctccactt gtaacttagt 60  
ataacgacct ccaacaactg atacatacaa tctcctttcc ttcgtgttgg acaacaacia 120  
tgggcgcgaa atctagtctg agttcgacia caaacgtggt gactctgaag gcggcggtgg 180  
ttctcccgca gcgcacgcag aacatccgtg aggtgtacga ggtggggcgg aagttggggc 240  
aggggtcaatt cgggactacc ttcgag 266

<210> 1125

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700954194H1

<400> 1125

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gcagtgaaca atggcctctg catcagcatc tcttctcaag tcttcacttg tncctgacia 120  
gtctgagtgg gtgaaggac aaacacttcg ccaaccttct gctgcatcag ttgtgagatg 180  
caacccacc accccatcag gcctcaccat cagagctggt tcctatgctg atgagctcgt 240  
taagaccgcg aaaacagtgg cttcaccagg g 271

<210> 1126  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954195H1

<400> 1126

taatttttct acaggagcat atcctcactg gtggatcatgg actcatggtg caaggatatg 60  
atcctgttgt aaaagctctt gcaaagatgc ttgatatacg cttgaaccac aggtttgcct 120  
gtataattta ttgcacgact tagctacatg atttgatgca taatcatttt tcataattta 180  
ttgtggaatt aattattatc atttttcgtc acttttatca acaagaacgc ataccaattt 240  
tttctgttac ctctctctct cataggggta g 271

<210> 1127  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954196H1

<400> 1127

tctcatcact acctctgcat ttttctctcg ctctctgcct tccatcacc tcgccatttc 60  
ccttcccaag atagtagaag atggcagacg ctgaggatat tcaacctctt gtttgtgaca 120  
atggaacagg aatgggtaag gctgggtttg ctggagatga tgccccacgt gctgtgtttc 180  
ccagcattgt aggtcgtcct cgtcacactg gtgtgatggt tggcatgggc caaaaagatg 240  
catatgttgg tgatgaggca cagtctaaga g 271

<210> 1128  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954211H1

<400> 1128

ggttcttcca tttgactctt gttctgaacg acttttcaag agaatcaaac catggcagtg 60  
aaagtatacg gtccccactg tgcttccacc aagcgggtgc tggtttgtct ggttgagaag 120

gaagtcgaat ttgaggttgt ccctgttgat gtcactaagg gggagcagaa ggatcctgag 180  
 tacctcaaac tacagccatt tggagttggt cctgtcatca aagatggaga ttatacctta 240  
 tatggttaca cttt 254

<210> 1129  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954212H1  
 <400> 1129

ctgcacatga tgtatcagat attctgggtca caagagcaac tacagtgggt gatattattc 60  
 aaaatgtaat agacaatctt catgcgacta aggacatata agtagctagt ttctatcttc 120  
 cagacgatat caagggagcc attgaaaagg ctgaaaaatt ttccactcaa actgattata 180  
 ttaagaacca atcagaggaa acagcaagaa tctcaatgga attcctgggc gctataagtg 240  
 aaagtcttat catt 254

<210> 1130  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954219H1  
 <400> 1130

gagagtgcgag agaggagagg agagaaatth gaagaaacag caaaggaaaa tttccaattt 60  
 tgatgtcttc tcttttactg tatgtaatgt gagtcatgtc acttcccaac acctaccact 120  
 gataattcca tgccttcttc ttattaacct caccacttgc ctctcagaat ttcattgtgc 180  
 tcatcttggt ttctccactt ccctccaact gcaccacaac agggcctggt tagtgccatt 240  
 gctgtgacct cctcct 256

<210> 1131  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954220H1

<400> 1131

ggacaatata agggacgtta ttccttttcc tcgaacacct ggctcggctg agtttttagac 60  
cttgagata taagcacttc acttcacatt catttgtacg attcaaactg tatttttaggc 120  
aataaagtat cttgagtctt tccttttctt ctttttggtt tgaaaaagaa aactgcttgc 180  
ttctaaatga agtatttata cattatgaat ttagtagaat ggaattttga ggc 233

<210> 1132

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700954222H1

<400> 1132

tggatactta aatgatattt tggccgaaaa tgcaattgtg gatgatactg atctgaatcc 60  
tttggagttt ttagcctccc tgttccttgg ttttgagca gaaagccttg cagaagctta 120  
ctttgctaag agatgtgatt tacatctgac cactgagatg ctcaatcagt tagagcttca 180  
agttgatggg ggtttcaatc agaatctgaa ttcaaagact ttgtctgctc ccaatctcag 240  
tgcaatggac ta 252

<210> 1133

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700954223H1

<400> 1133

catcaacttg tcattcttata attgaattgt gtatgtaaca aaaaaataa aattcagaag 60  
agaagagggt tgtgagtgtg actccgctga gggatatgac gccagagagg gttttcggga 120  
agatgggaca tttgcagaag ttgttgatc gggttttggc ttgtaggcct actgggttgg 180  
ctaagaatag caggatgggt ttgattgcgc tgtatcctgt ggttaaggag agttttcagt 240  
tgtatgctga tat 253

<210> 1134

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700954234H1

<400> 1134

tagggtttct tctccttca aacaccatcg cagattcttc gtcctttcc attgattcaa 60  
aacatggcta ccaccaccac tctgctaga tctttctcc aagtcgccgc tacagaggag 120  
gccgcgccgc ctctcagagt cggtcagatt gaaggactgg ttattctgaa gataattaag 180  
cattgtaagg accactcgcc ttctttagtc actggacaac ttcttgggtt ggatgttggc 240  
agtgttcttg aagtta 256

<210> 1135

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954235H1

<400> 1135

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ctttcctaac cccaacgcc acgccactgt cactttctcc accaatgtgc accaatagca 120  
ataataagaa tcattcttca cttctccatt aaaattaaaa tccaatctaa tctgggtttc 180  
cctttctccc atcagaggac aaagcttcca actttgcggg attcgtattt gttgtttcag 240  
tgctgtgatg ggga 254

<210> 1136

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700954252H1

<400> 1136

gtcatcggtg ggatctccat acgccggatc tgctaaaata cgcttgatcc atatgggcct 60  
cctcgaccac ttgtgggacg acaccgtcgc cggcccaagg ccggaaaacg gtctcgga 120  
gtccgaaaa caccacacct tcactttccg acctagctcc ggcaaggaaa cggagggcgg 180  
gagcgtgaga tcgtacggag acgaatcgtc ggaggaagcg acgagagtga cgcgtagtat 240



catgatcgtg a

251

<210> 1137  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954255H1  
  
<400> 1137

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tctctcttcc attgctcttc cacaagcaac gccgcgcgag gtcaattttc gcaatcgcca 120  
tgactgtgat gactcctgct cccattgacc agcagcagga ggacgaggag atgcttgtcc 180  
cgcacacgga tttggctgag aataatcacc aacctatgga agttgtggct caacctgatg 240  
ctgccaaca 249

<210> 1138  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954258H1  
  
<400> 1138

cacattccat caccaaagca gtgtagtttt ccgttgtcac tgccatggct ttcaaaaaag 60  
tactattcca atatttcact ctggctttgt gtcttgtctt cgcattttgt gcttttgagg 120  
gcaatgctcg cactctcgaa gatgctccaa tgcgtgagag gcatgagcag tggatggcta 180  
tacatggaaa agtctacacg cactcttatg agaaagagca gaaataccag acattcaaag 240  
aaaacgtg 248

<210> 1139  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954261H1  
  
<400> 1139

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cagcctattc gaaaatgggt ggctttgctc tcaaggctgc tgagacactg gcaaaggaag 120  
 gaatcagtgc tgaggtcatt aatttgcggt caatccggcc acttgatcga tccacaatca 180  
 atacttctgt caggaaaacc aacaggctgg tgacagttga agaagggttt cctcagcatg 240  
 gcgttggc 248

<210> 1140  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954263H1

<400> 1140

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 catgccgctc atccatggat cagtcttctg gcctgaatct ggaagatctg aaatgggacc 120  
 attccttctg cagagaattg cccggcgatc cccgcccga ctcctttccc cgtgaggttc 180  
 tgcattgctt ttacacccaa gtctctcctt ctgttcaagt acacaatccc caactttag 240  
 ccttctcc 248

<210> 1141  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954265H1

<400> 1141

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 tggaaggctt caagtgatac aagctccact gatcaatatg acaggttcat gaatgccctt 120  
 tacagtttgc tggatgggtc ttctgataat aaaaaatttg aggatgattg tcgagctata 180  
 attggaattc aatcatatgt cttattcaca ttagacaagc tgatatataa acttggttaa 240  
 cagcttcaag ct 252

<210> 1142  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954271H1

<400> 1142

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atctagatct cgttcttctt tgatctacgt tacgctttta gtgaccggat ctgtatggat 120  
ctgaaccaga tctacacgcc gatgggtggt ttggcctggt ctttcataga tctgatgcat 180  
ggaggctcag atctactgta cagagggtgtg cgattcatgt tcgtctctct tttggaatct 240  
gtttc 245

<210> 1143

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700954272H1

<400> 1143

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taaccacct actagcagaa ggagagggcc gtgtcaagct tctaggatgg atttgcgtag 180  
tatttgctac tagtgttttt gcagcacctt taagcattat taggggtggt attcggacca 240  
aaagcg 246

<210> 1144

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700954276H1

<400> 1144

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acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180  
catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240  
tcac 244

<210> 1145  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954277H1  
  
 <400> 1145  
  
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 ccgccgcacc caccgtcact ccgccggcct cgctcgactt cgaaacctcc gttttcaaga 180  
 aggagaagat taacctcgct ggacacgacg agtacatcgt gaaaggaggg agggatttgt 240  
 tccctc 246

<210> 1146  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954278H1  
  
 <400> 1146  
  
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 gtacaccatg ggcaatgatt tgtggtatgg accagacaga gtgaaatact tgggaccctt 120  
 ctcagctcag accccttcat acttgaaagg agaattccct ggggattatg gatgggacac 180  
 tgctggctta tctgctgacc cagaagcatt tgccaagaac agggctcttg aggtgatcca 240  
 tgg 243

<210> 1147  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954279H1  
  
 <400> 1147  
  
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 ggagatgaac tcgtcggcta aaagcagcaa acttgagaac gatcagaatg tcatcgccac 120

tacttcaaag aaagaagagg aagaagataa aacttcttgc aatgcttctg gtcaagactt 180  
 ggggtcaaac cgtggagagg agattgtgag cgagagagat gaatccgtgg tggatgaatcc 240  
 agcac 245

<210> 1148  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954283H1

<400> 1148

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 attgtgctgt gaattgatta ttttggtttg tatttcattt aatttttata agttttgtat 180  
 acaagttttt ctcaccaatt ttttattttg gcattttgtc acattgatcc acgccaatga 240  
 tgata 245

<210> 1149  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954285H1

<400> 1149

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 tgggtgtgaaa cagatgattt gttgctgtaa caagatggat gctactacac caaagtactc 120  
 caaggccagg tatgatgaaa ttgtgaagga agtttcttcc tatttgaaga aagtaggata 180  
 caaccctgac aagattcctt ttgttcctat atctgggttt gagggagaca acatgattga 240  
 gaggt 245

<210> 1150  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954286H1

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tctcacaaca agtgatcata acatggaaat gtttttgatg aaataataaa aataataggt 120  
gagataatga cagatattaa atgaaaaata aattaatatt caaaataatt aaatatcttc 180  
tataagggat tttcaaagggt gtctcacttt ctagctgcta agcaaaacta aaactagttt 240  
ctact 245

<210> 1151  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954292H1

<400> 1151  
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ggacatgtcg actctgggaa gtcaactacc actgggcatt tgatctacaa gcttggaggt 180  
attgacaagc gtgtgattga gaggttcgag aaggaggctg ctgagatgaa caagagggtca 240  
tt 242

<210> 1152  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954293H1

<400> 1152  
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acaatgatct agctgatgct ggagatcagg tgcttgaagc ctctcaatga agaaaaaggt 120  
tccccagaaa ttggagatat gcaaagtgtc tctgttattg tcagctgtct ggatcataat 180  
caaggcaacc gttaaagtct atcatcatat aatcctgaac agctgtttcg catgtgcatg 240  
tta 243

<210> 1153

<211> 268  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954309H1  
  
 <400> 1153  
  
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 ggctgctggt gtcttgactc actcacctca acctgcactt ctttatctgg tgccttctac 120  
 tttgggacct gtagttgtga tctcttggat gaaaaggga ctacttgagt tgtgggaagg 180  
 aaacacccca aatctcaatg ataaagatcg cgaaatagaa gtttagtcta gtgacagggtg 240  
 gtttatagcc aaacagaaag ctgtaaatt 268

<210> 1154  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954337H1  
  
 <400> 1154  
  
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 gagggccag tgggtgtggt cctccacggc ttccctgagc tctggtactc atggcgccat 120  
 cagattctct ctctcagctc cctcggctac cgcgcgctcg ctcccgatct cctgggctac 180  
 ggtgacaccg aagcaccacc ttcaatcagc agctacaact gcttccacat agtgggtgat 240  
 ctggttgcgc ttattgactc tctggg 266

<210> 1155  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954354H1  
  
 <400> 1155  
  
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 aggagttaga aactttgcat ttggagaaga acaactttga aggaccactt cctccgtcaa 120  
 taaagaaact tccaaaatta cgtgatattg attcagattt tgagaataag cctccaaaca 180

ctaatacaaaa tgaatagaag tgaaagtagt acaagtgggt ctagagattc atcagtgata 240  
aagagcacaa ggccattaca aat 263

<210> 1156  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954429H1

<400> 1156

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aacggcccag cgccttctga ggacaaagcg agggacaaca cgtgaaccgt ggagtctcac 120  
tataaaaaatc tcgctcacta actcttggtc ttccaaaacc aattctctgc actcttcac 180  
aagctccgct ccaacacagg ggaaaatgag ggagatcctt cacgtgcagg gagggcaatg 240  
cggaacca 249

<210> 1157  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954444H1

<400> 1157

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aagtatgttg ggaagcctgt ggtgagctat ccacttggtt ctcccttcac tgttctct 120  
cgtccactag aacttggggt tagtggtggt tttggtggcc aacctggagg cattggagg 180  
gacatgtatg gtggagctgc aggagatctc taaggtcaat aagtggacct atgaagctga 240  
taag 244

<210> 1158  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954458H1

<400> 1158



cggcgtaaaa gaaacgctct gaaacgctcc tctcttttcc gttctctctc tctgtggcac 60  
 ttgatttcgt caaaaggcaa agggatgtgt tcccgagtga atgatgttgg tttgtatttg 120  
 ctgatgcaat tgggtggttat gttggtttta gaagctaaga actgttgcta ctacttcaca 180  
 atgggtgctg cttgttgtgt tgctgccaga gacaaaacta tacaaagtgg atcaaccagt 240  
 gaca 244

<210> 1159  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954461H1

<400> 1159

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 taagtaaaca atttaattgg attggtcgaa tggatatcaa aaaatggagt actaactccc 120  
 atttcttatt tattattgaa ttaaccgatc aacttgcttt gttatcgaa atttcttttt 180  
 gatttcaaaa attttccgga aaaaatttga atctattttt atatgcgaat caatcctact 240  
 acttc 245

<210> 1160  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954488H1

<400> 1160

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 tgaggctgta ctgtggcttc tattgacagg aaagatacca agcaaagcgc aagttgactc 120  
 attatccaag gaattgcgaa gtcgtgcaac tatcccagat tatgcttata aggcaattga 180  
 tgcattgcct gtttctgctc atccaatgac tcaattcaca actggtgtca tggcccttca 240  
 ggtg 244

<210> 1161  
 <211> 241  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700954490H1

<400> 1161

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accaggggga caacgagttg caactcgagc gagtcaacgt ctattacaat gaagcgagtt 120  
gcggaagggt cgtgccgagg gcggtgctca tggatctaga gccagggacc atggacagcg 180  
tcagatctgg tccctacggt cagattttcc gacctgataa cttcgtcttc ggccagtccg 240  
g 241

<210> 1162

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700954493H1

<400> 1162

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aactggagca gtgaacgtca tcaaaccact caacaaagtg atctcggtgc agttttgcgt 120  
gatggaaaag aagtacttct tcaagcattc aactgggagt ccaacaaata caactgggtg 180  
aataatttag aaggcaaagt ttctgacata gctaaagcag gatttacttc agtctggttg 240  
cca 243

<210> 1163

<211> 313

<212> DNA

<213> Glycine max

<223> Clone ID: 700954511H1

<400> 1163

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catagttgat aacaccaaag gcacaacaac attgagggaa tgaggcttgt catatcagct 120  
gtatgtgtta ttgtgctatt ttcttatgct gctgcgtatg atcctttgga tccaaatgga 180  
aacataacga tcaaatggga tggtgtgtca tggacaccag atggctatgt agccgtggta 240

acaatgagca atttccaaat gtttcggcac atcatgaatc ctggatggac cttgggatgg 300  
acagggcaaa gaa 313

<210> 1164  
<211> 318  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954530H1  
  
<400> 1164

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gtatgatgga aggagatgag aatattcaag catcaacaaa gggaaaaaat gtggaaagct 120  
tcaccagctt ggaggcacca aggaagaaaa gcaagaagat agaaaacaag aggaggttta 180  
gtgatgaaca gataagatca ctagaatgca tatttgagtc agagtcaaag cttgagccaa 240  
ggaagaagat gcaactggca agagtcttgg gccttcagcc tcgccaagtt gccatatggt 300  
tcctaaaacag aagggcaa 318

<210> 1165  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954603H1  
  
<400> 1165

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gaagagaaaag ttcgtagctg atggagtgtt cttcgctgaa ctgaacgagg ttctgacaag 120  
ggagttagcc gaggacggat actccggcgt ggaagttagg gttacgccga tgcgcaccga 180  
aatcatcatc agagccacca gaacccaagc cgttctcggg gagaagggaa ggagaaatcag 240  
ggaacttacc tcggtggt 258

<210> 1166  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954604H1

<400> 1166

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gcttacatca aagtcttggtg tctctttggt tttttctctt gggttgatga aaatggtgac 120  
aaccagcat ggaaagccat tggatatgag gtaccagctg atgaaaactt gaccaatgcc 180  
tccaaaacta ggccccttga aaaggggatt atagaaacca tgaatgaatc tgactccgct 240  
cttcaacaat ctctt 255

<210> 1167

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 700954609H1

<400> 1167

tgacatctgg tagagatcca ggaattatcc ccagaaatgc tcaccacct gaattagatg 60  
aaccattaga cataaacaca ccatccatgg aatgggtaaa taatagggcc cctaattctta 120  
agctgcccag agtgaaagat gttctagtca atggccacac agtgaagggtg aaattttgtg 180  
atacttgctt gttgtatcgt ccac 204

<210> 1168

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700954610H1

<400> 1168

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cacttcatta aacattattc actctctttc tctgtctcta gtttttacia catggctact 120  
gcggttaactg ctgcagtgtc ctttccagcc accaagtcca cttctctttc aagcagaacc 180  
tctatcactg cccagatag aattgtcttc aagaagggtt cgttgcaata cagagatggt 240  
tcaaccagtg g 251

<210> 1169

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700954614H1

<400> 1169

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gcaaactaga agaaaatc atcttatctg agtcgcaatt tcaattgcag caaggggttag 120  
tttttaaaat tgcattggcc atgtatccaa gatatcattt ttcttgccaa gtcagggcag 180  
tataggaaat tctagtccac aagctgttat atgacc 216

<210> 1170

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700954615H1

<400> 1170

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ttcttttoga caatcaaata gtttcagct tggtgggtgt tgccatggcc gacgctctct 120  
cgttgattcc ggcagccgtg cttcgcaacc ttgctgacaa gctctacgag aagcgcaaaa 180  
atgctgctct tgatattgag ggg 203

<210> 1171

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700954617H1

<400> 1171

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aaggaggagg aagactcatt gctagggcaa gtggaaatat ggaggtacat gacatgcttc 120  
acggactccg tggccttgaa agctgtcata gagcttcgta tagcggacat actagaccgt 180  
tatggtaaac cactatcctt gtcgcaaatt gtggagaaca tagaagacgc accctcccca 240  
gatgcctctc ttctccaga 259

<210> 1172

<211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954620H1  
  
 <400> 1172  
  
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 tctctcatga acaatcaacc aagaaaacag tgagcacagt tcagttgcac accttctctg 120  
 tgcttcttct tcgatgttca attacaataa caccaactcg cttcatgaaa caccctctc 180  
 caatttcgcc ctgtcacaat cgcctcactc atgcattggc cactgtcaca taaccgcgat 240  
 cgctggatac gacacc 256

<210> 1173  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954623H1  
  
 <400> 1173  
  
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 aggaagtcca gcttatttct tttcactccg tgtcaaaagg ttattatggt gaatgtggac 120  
 agcgaggtgg atattttgaa atgaccaaca ttctccaga gacagttgat gagatctaca 180  
 aggttgcac aatatcactt agtccaaatg ttccagcaca aatatttatg ggagttatgc 240  
 tccatccacc tca 253

<210> 1174  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954626H1  
  
 <400> 1174  
  
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 taaccatcct cagttttcat taccttcaaa ctactttggg aactgtttga tccctctcct 120  
 cacaacccta aagaggggtg agttggtggg acaaaatggg attgttgcag ctgcaaatgc 180

cattgaaagg aagattagag atttcaagag tgatgctttg agattggctg aaacaacgat 240  
gtcagatatt 250

<210> 1175  
<211> 202  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954628H1  
  
<400> 1175

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tgtgtggcca agtatggcaa caaatgggtt cgaaccagaa ctctgcttga tactctctcc 120  
cctcgatgga atgagcaata tacctgggag gttcatgac cgtgcactgt catcacagtt 180  
gggggtttttg acaaccacca ca 202

<210> 1176  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954632H1  
  
<400> 1176

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ctttcatgca accaccaag tttttgcagc taaagtctac tcaggccata tctaaggctt 120  
ttggtttggga acctgctgga gttaataagg tcacatgctc ccttcaggct gatcttaagg 180  
acttgggtca caagtgtgtt gatgctacca aaattgcagg ctttgcctt gccacctctg 240  
ctctcgttgt ttct 254

<210> 1177  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954635H1  
  
<400> 1177

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agccaagttc aacttatcca caaagaaaca tcgtggttcc ctgcatcag catctttcgt 60  
aattttcttc actgctatct accattgcc cactctcatt ctgcatggcg gcgaagattt 120  
cattggcaat tggtttgaga actctcttca ctgttttggg acttctcatg cttgctgtct 180  
ttctttacac tgccttcacc gatggtctag gtgttcgctt tctcaaagaa cttgtcagac 240  
cgtggatg 248

<210> 1181  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954646H1

<400> 1181

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cttcagaatg gcttcgttgg tacagagaaa attacaaacc tgaaaggact aacaataaca 120  
tgcaaccacac tcatttgaat actcctgggc ctggaaatca tgtcaacttc ctctaccatg 180  
atacttacag gtttgggtcaa tttgatacat ggaacaacaa cccccctttg tcttctaacc 240  
agtacactt 249

<210> 1182  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954649H1

<400> 1182

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ataactctta cccaaacaaa catacacaga gattcaacat tcatagtttc atagtcttac 120  
ctttttcctt ttttttttct tttttctcaa cgttgttata ataaatttta ttagtaatta 180  
ccacaactct tgaagggtgt ggttgatgtt acgggcatgt ttgggggttga attaccatgg 240  
tagaatggag gagctg 256

<210> 1183  
<211> 254  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700954651H1  
 <400> 1183

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 agcaaaagca gcaggtgggc tttgcagggg atgacagctc tcgttaccgg tggttccaaa 120  
 ggaatcggat atgctatcgt ggaggagttg gcacaacttg gagccactgt acacacttgc 180  
 gctcgcaacg aagctgaact caataaatcc ttaaatgaat ggaacacaaa aggatacaga 240  
 gtaactgggt cggt 254

<210> 1184  
 <211> 205  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954652H1  
 <400> 1184

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 cactcatgga tcccaaccag cctgtgggtg aaaactacgc caatcccagg acttgcttct 120  
 ttcatgtcct cttcaaggct gcagccttgg cattttacat tctctcggcc ctctttattg 180  
 ataactttgt catcattttc gtggt 205

<210> 1185  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954668H1  
 <400> 1185

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 cggttcgctg atctcaccaa cgaggaatac agggccaagt acttggaac caagatcgat 120  
 cccaaccgga ggctcgaaa gaccccgagc aaccgctacg cgccacgtgt cggcgacaaa 180  
 ttgcctgatt ccgttgattg gaggaaggaa ggtgcttttc ctctgtcaa agaccaagga 240  
 ggctgtggga g 251

<210> 1186  
<211> 199  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954673H1

<400> 1186

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<223> Clone ID: 700954677H1

<400> 1187

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tctcatgagt gggtgaaagt tgatggaaat tacgcaacca tcggcataac tgatcatgcc 180  
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<400> 1188

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cccagccacc cgacctcatc aagtgggtaa ccagagaagg tggcttcgtg caccgcgccg 180

tcaagataac acaactcgac tcctccaacg gactgggcct ggtggccaag gaagaaattc 240  
cacgtggcag tgat 254

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cagggaaaagg aaagaaaatc gccatcattg gtgtctcaac cttattgttg gtggctatgg 180  
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acaacaagaa aga 253

<210> 1190  
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tgcatttgcg cccaaaccct catctggacc acacaaatct agggagtgcc ttcccctcat 180  
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 agggttaggg ttttctcaaa ttgcaaggac atgggtttca accttcaacc atatgggatt 180  
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 aacatc 246

<210> 1192  
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<223> Clone ID: 700954693H1

<400> 1192

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 tggtgttatt cttcttcacc ttggttacct tgcctacctt aaaagttcaa tatctttttt 180  
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 atagta 246

<210> 1193  
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<223> Clone ID: 700954695H1

<400> 1193

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<223> Clone ID: 700954696H1

<400> 1194

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 cctctttccc atccaaaatc gccctcgtcg attccactc ttcccaaaca cttaccttgg 180  
 cgcacctcaa atcacaggtc gccaaacttg cccacgggtt cctcaaacta ggcataaaca 240  
 aaaacgacgt 250

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<223> Clone ID: 700954701H1

<400> 1195

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 aaattctagg caaggctggt ctgatccctc aggagacagc actcccatgg ttcagaacgg 180  
 gtgtgttccc acctgcagga acctacaact actgggcaga ctctacaca ctgttcgtgt 240  
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<210> 1196  
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 <213> Glycine max

<223> Clone ID: 700954702H1

<400> 1196

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 tctgaaactg cgagcatttt gggacaagag gatctcacag gaggtcatcg gagatgcact 180  
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<213> Glycine max  
 <223> Clone ID: 700954704H1  
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 cactcctggg cgtgtatttg acatgctacg gagacagtct cttcgtccag atcacataaa 180  
 gatgtttgtt ttggatgagg ctgatgaaat gctttctcgt ggtttcaagg accagatcta 240  
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<210> 1198  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954707H1  
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 gttgagtcta taacagggat tatactctaaa accatctcaa ctaagggcat gctagctgta 180  
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 tacccttgca tggaaattc 259

<210> 1199  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954711H1  
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 ttcagtaatg ctcaagtggaa ctgaaaagct cactctcaga accctaaccg ggaacggctt 180  
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cactagtgct aaagttc

257

<210> 1200  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954717H1

<400> 1200

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gtgcggcctg gaggtgataa aatttataat gtctttgaca atcagctccc cgctgcttta 180  
aaaaggttgc agtttgataa gcagctttca atggaaaata taaggaaact tattactgaa 240  
gctgatgggt atcagcctca tcttata 267

<210> 1201  
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<223> Clone ID: 700954720H1

<400> 1201

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ttcctccatc tggtcctctg ggcaagatta ctgctgcttc cgggcctcct cgtgacgctg 180  
atgattcatt ttcaaaacct gtatctgggt ctgatgaacc ccagcagggt ggttgggttc 240  
agacttttac aattgctgct t 261

<210> 1202  
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<213> Glycine max

<223> Clone ID: 700954723H1

<400> 1202

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 tatgaggccc tgaaatcctt gtccctctaaa tttcctttaa cagcgttggt tgcagatact 240  
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 ccatgaatca gaggctgttg gtgctgaagc cgcaccattt gagtgggggtt ggagaatcaa 180  
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 <213> Glycine max  
 <223> Clone ID: 700954733H1  
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 aagtcgaggt ggagtgaatc tgacaaagaa gagagaattc accatattcg tagactatag 180  
 agatagataa acgttcgcta aacccaaagt agatagttga gatcccagcc caacccaata 240  
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<210> 1205  
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<223> Clone ID: 700954738H1

<400> 1205

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gctggctctt ggtgcaacca ttattccaat ggcacaaggg gaagtgtcat gtggccaagt 180  
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<210> 1206

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954748H1

<400> 1206

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ccagctttgt tgtcaccaat gcctcttctt ctgcgttttc catgagtgt gactggatgc 180  
ctggccagcc tagaccccc taccttgatg gttcagcacc tgggtgacttt ggattcgacc 240  
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<210> 1207

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700954750H1

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ccgtaagaca ctgcgtttcc gcaatagaaa aaaaatggcc tatatggttt tgtctaagct 180  
tggattgcct cagtggtttg gttgtaaaga agtgtcatgt atgtacgtgt gttaatgtgg 240  
ttgtaccagc aaactgtaat taaa 264

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 <213> Glycine max  
  
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 atatgccaat tccatcgtga tagcataaat gcagcacagg ttgttcctgc ctggctaagt 180  
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<210> 1209  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954757H1  
  
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 gtgtcattca tgggtgttct agcacccttg ccaaccttct atacaattta caagaagaaa 180  
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<210> 1210  
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 <212> DNA  
 <213> Glycine max  
  
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gctctgaact atggtt 255
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<223>      Clone ID: 700954762H1

<400>      1211
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 agagccctgt tcaacaagct cgaaagtccg gtttttttcc cgattcggga aaactgggtt 180  
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<223> Clone ID: 700954775H1

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 aattattctg gggccaaca agaccaagt atgcaaattc tgagaccac tgagagggtg 180  
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 caaacactac tactagctcc ttgtatgagt gtcattcctt ctagctaaat ctctctcttt 180  
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agagtgttct c 251

<210> 1220  
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ccacaggtac agataagcct atatgtagtg gaactcaaaa gggtggggtg aagaaatctt 180  
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<210> 1221  
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<210> 1222  
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<223> Clone ID: 700954815H1

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<210> 1223  
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<212> DNA  
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<223> Clone ID: 700954828H1

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accgttcaag ggtggaacct tgagggtgcca attattgatt ttagtgacct agatgaaggg 180  
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<213> Glycine max

<223> Clone ID: 700954840H1

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<210> 1225

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700954843H1

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<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954845H1

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<223> Clone ID: 700954848H1

<400> 1227

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tggatgatcat tatttgactg attccgttcc attaactgcc tctagcttct tgctagcaga 180  
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<223> Clone ID: 700954876H1

<400> 1228

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acaaaagtga aacgcaagac tttttcaatt gctgcagcaa catggatgggt cttgtgtatc 180  
atcactatga tctgcaatgt cagtttagca gaagaatttt gaaagaaaaa gaattaggaa 240  
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<213> Glycine max

<223> Clone ID: 700954890H1

<400> 1229

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atgaccctgg acttccacac gaacaagaag cttctggagg aagtggcgat aatcccgtcg 180  
aagaggctaa ggaacaagat cgcggggtct cgacgcacct gatgaagcgc atccagaagg 240  
gccctgtgcg cggcattct 258

<210> 1230  
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<213> Glycine max  
<223> Clone ID: 700954986H1  
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gcaggttcag gcccggttac gcaaagcacg tggtgggccc aatgctgaag tttctgaggg 180  
agacgagaac acccttgatg gtgaaccctg acccgtactt cggttacaac gggaaaaacg 240  
tgaactt 247

<210> 1231  
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<223> Clone ID: 700954990H1  
<400> 1231

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actcgcaata gtcattgtac tgggtgtacc ttggcatcat gcatagcagc agagctggca 180  
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gattata 247

<210> 1232  
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<213> Glycine max

<223> Clone ID: 700955001H1

<400> 1232

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caggtcgggtg tcaggacacg agcccaagcc gcattagcca tggaagctgt tagttctgct 180  
gaaccatcat ccaagagaaa gaagatcagc aacagtacta accaagagcc aaaactctcc 240  
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<210> 1233

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700955003H1

<400> 1233

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aatcagctat caagggtgac gctgctccag ctgtgggtcc gccatccaag tctgccaaga 180  
agggaggcaa gcgacaagct caagatgaaa ttgagaagca agtgagtgcc aaaaaacaga 240  
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<210> 1234

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700955006H1

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gttaaagatc aaggcagctg cggatcatgc tggacattca gcacaactgg ggctttagaa 180  
gcagcctatg cacaagcatt tgggaagagt atctctcttt ctgagcagca gctagtggat 240  
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<223> Clone ID: 700955008H1

<400> 1235

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 acacacagac aaagacaacc ttgtttgtct ccaatcaaaa cctttcaagc tggcggttoga 180  
 aaaccaagac aaccctgtcc gagaaatcaa gcccaagaat aggagaatca tgggtgctgg 240  
 aggccctgat gatgagg 257

<210> 1236  
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 <213> Glycine max

<223> Clone ID: 700955011H1

<400> 1236

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 ggtcacgtgg aaacaattga agttactgta cgatagggct gtcctcagt cctcattatt 180  
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<210> 1237  
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 <213> Glycine max

<223> Clone ID: 700955012H1

<400> 1237

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gttccaggag cttaaagcaa agcgagtcta ccgcttcatt acattcaaaa ttgagcaaca 180  
 acaagttgtg gtcgacaaaa taggggaatc tacggaaagc tatgatgatt ttcaggccag 240  
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<210> 1238  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955022H1  
 <400> 1238

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 ctcgagccgc cgcattctcc gccaccgacg tcgtttccac ttccacttcc acttcatctt 180  
 ctgcttcgaa tttcgcgccc aaagtcgttg tcaccagaga gcgcggcaag aacgccaagc 240  
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<210> 1239  
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 <223> Clone ID: 700955024H1  
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 ggatgacctc cataaggctg ctgaaagtgg aggaccctat gttgtaaaaa atccagcagg 180  
 gaatgatgga aattatcatg cttctcaaac tgcaaagcag ggcaactcagc ctgttaaacc 240  
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<210> 1240  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955025H1

<400> 1240

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ctttggTtat cgtcaaagtt tacatatTTT ttccttgaca ttgttatctg tgttttatat 180

ctcagggagc ttgctatctg ttttgCagta agaaactgaa catatggaag tgaaagggga 240

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<213> Glycine max

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tgaaaaatgg ggagacatat aacgggcatt tggTtaattg cgacacatgg atgaacatcc 120

atctgcgaga agtcatttgt acatctaaag acggagatag attttggagg atgcctgaat 180

gctacatacg aggcaataca atcaagtacc ttcgagtacc tgatgaggTt attgataaag 240

ttcaagaaga aa 252

<210> 1242

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700955030H1

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agcggttagc tttgccaaTT tcttccgcgg gataatgagg caacgtatgc tgtaacactt 180

gttatcgTta tcattaaaat aaaagaaagc gagtgtgact cgggttccac tcatgtgagc 240

ctgttattgt at 252

<210> 1243

<211> 261  
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 gcatggcact ctgctggaac ctttgacaag ggcacgaaga ccggtggacc cttcggaacc 180  
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 aattgatgca aatgttgagg tgtacacacc agccattgct gaggacccca aaaattggtt 180  
 aaaccctgag aagtttgacc ctgagagatt catctctggg ggtgaggaag cagacataac 240  
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<210> 1245  
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 <213> Glycine max  
  
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<210> 1246  
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 <213> Glycine max  
  
 <223> Clone ID: 700955044H1  
  
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 atacatgttt aaatacgaca gtgttcatgg aactggaag catcacgatg tcaccgttaa 180  
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<210> 1247  
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 <213> Glycine max  
  
 <223> Clone ID: 700955045H1  
  
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 aaccctaggg aagatgatgg cgtcttccaa ttcacgaaaa tcagaaactt ccccttctcc 180  
 cgccccgcaa ttcaccacca ccaacttcat ccccatcccc gccgccgcag cccctaaaac 240  
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<210> 1248  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955047H1  
  
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tgagaagcac caagccgttg ccctgagggt aacagcagac aaggctgtat tctacaactg 180  
 caacatggat ggggtccagg acaccctcta cacacaatcc cagcgtcagt tctaccgcga 240  
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<210> 1249  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955049H1

<400> 1249

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 attgtgtctg ggggtgaagc taggccaaga gcattctttg tgtttggaga ttcacttggt 180  
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<210> 1250  
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 <213> Glycine max

<223> Clone ID: 700955059H1

<400> 1250

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 tcttggaacca agatcactcc aatctccatt tggcttctcc agaaaagcct cctttcttgt 180  
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 aaagcaaa 248

<210> 1251  
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<223> Clone ID: 700955062H1

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cttggcaaat ggggtctgaa ggtcctacga caccgacaac aacaattcat gtgacaggat 180

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agtacatg 248

<210> 1252

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700955070H1

<400> 1252

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gatcactggc tacaaagatg ggttcaacca gattaagtcc ttggttgatg ttggaggtgg 180

cattggaggg tctctttcgg agattgttag ggcttatcct catatcaatg ccatcaactt 240

tgacttgc 248

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<223> Clone ID: 700955076H1

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ggcttccaat caaaagggtc ctacttgttt ggtcacttca gcatgtacat aaaattggtt 120

gctggtgatt cagctggcac agtcactgct ttctatttat catccacaaa ctcagaacat 180

gatgaaatag actttgagtt cttgggaaac agaaccgggc aaccttatat ttgcaaaca 240

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 aaaaga 246

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 <213> Glycine max  
  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
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 atcaaggaga tgcaggttat tgtgctgat ccatctaaga tttttcanag ttctggaatg 180  
 gttgantcca agtcagttgg aacnttttca cctctgcaa agcaagagag tcagagggga 240  
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<223> Clone ID: 700955186H1

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 tctgagttag tgagcgatca tgtgtggtgg tgcgattatc tccgacttca ttccagcggg 180  
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<223> Clone ID: 700955187H1

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<223> Clone ID: 700955212H1

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<223> Clone ID: 700955236H1

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<210> 1262

<211> 255  
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 <213> Glycine max  
  
 <223> Clone ID: 700955241H1  
  
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 gcatacaaac cgttcaagggt gtgaaccttg aggtgccaat tattgatttt agtgaccag 180  
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 gtttcagctt gtcgtgcttt agtgaatgtg cttgaagagc aaccaacaga agaaatgaaa 180

gtcgtagcca tatgtgcttt gcagaatctt gtgatgtaca gtcgatcaaa taggagagca 240  
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<210> 1265  
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<213> Glycine max  
  
<223> Clone ID: 700955257H1  
  
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ttgaagagct aaacatggat ttattcagga agtgcattga gcccgaggag aagtgtttgc 180  
gggatgccaa gatggataag agtaccgtcc atgatgttgt tcttggtggt ggttctacta 240  
ggattcccaa ggt 253

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<223> Clone ID: 700955277H1  
  
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<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955280H1  
  
<400> 1267



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agcagcacc agtaccagc cctctgctc tcatcctct cegtctacgc ctccagcatc 180  
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gccacaaaa ccttcgtgg 259

<210> 1268  
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<213> Glycine max  
<223> Clone ID: 700955336H1  
<400> 1268

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gaattcttat gcaaagattt ctgtccatct tctctggatg acattgccga catgagttgg 180  
ccactatgtc aagaatcagc tcccacttct cactcgatga gattcactag aagtttgagt 240  
gggctttcgg tcaggagggtc tttagttggt tca 273

<210> 1269  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955401H1  
<400> 1269

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atcatgatga tgagcttttag ggggcttttag tgtatactag ttgataagtt aaacaaaagt 180  
gacaccgtta tttttgtcta aattagcatg ttctgtggcc tgaccagtgt agtttcaagc 240  
tgaacctaga ctgagacttg ggggtgctgga 270

<210> 1270  
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<213> Glycine max  
 <223> Clone ID: 700955405H1  
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tgtatggcct gcgacaaaac ggtttatctg gttgataagt tgaccgcgga taaccgagtg   180
ttccacaaag cttgcttcag atgccatcac tgcaaaggaa ccctcaagct gagcaactac   240
aactcttttg agggagttct ttactg                                     266
  
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 <223> Clone ID: 700955421H1  
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gtagcttcta ccaagacttt gatctaacat ggggtggtga cctgtgctaag atattcaatg   180
gtggccagct tctatctctt tcccttgaca aagtctctgg ctctggcttc aaatcaaaga   240
aagaatacct atttgggagg att                                     263
  
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<210> 1272  
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catggcattg atgttgagga atatctggat agtgacatat gctacaaggt gatccgtgca   180
agatgtgaat gcaaactaaa ggaacgcaac actgtctcaa ttgagactta ctcatcaaaa   240
  
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259

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<223> Clone ID: 700955487H1  
  
<400> 1273

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caatgggtatt gagaaaggat gcatttggtg tgggatatca tggtggaatc tggccaaata 180  
tctgtcactg actatgtccg gttgacaagc actgaatgtg ctagaatctt caatatatat 240  
ccaaggaaag gagctattc 259

<210> 1274  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955489H1  
  
<400> 1274

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tgcaaactcg cgccaacca aagaacaag agggcacggc ctctcattct accttctaca 180  
atgcccgatt cttctttgca aggcataatg aaatcatcag ttgaatctac ctctttctct 240  
tattgtgacc cccaacaagg 260

<210> 1275  
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<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700955490H1  
  
<400> 1275

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cctctcgtga gtgtaaccct tctcagcat cagctctcac catcaaagct gcttcctatg 180  
ctgacgagct cgtcaaaacc gccaaaacag tggcctcacc ggggcgtggt attttggcga 240  
tggatgagtc aaatgcaac 259

<210> 1276  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955506H1  
<400> 1276

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cacaagaggg gcatttgggc tatcaaggcc aaaaatggtg gcgttttacc tcgccacgac 180  
cctaaaccca aacctgaaac acccgctgaa aaaccaccca aattttaccc tgctgatgat 240  
atcaagaagc cccttgt 257

<210> 1277  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955509H1  
<400> 1277

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atgacattat ggataactct cacacacgcc gcggccagcc atgctggttt agagtgccca 180  
aggttggaaat gattgcagcc aatgatggag ttctactaag aaaccatatt ccacggatcc 240  
ttaggaagca ct 252

<210> 1278  
<211> 133  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955518H1

<400> 1278

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gaagcatggg cgt 133

<210> 1279

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700955521H1

<400> 1279

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tacctgcaca tatgaaggag acaacactgt gctgctttta cagggtggcta ggcattctcat 180  
caagactatt tctcagttgg gctccagaaa caagcctgtt ggtacaacat cttacattgg 240  
acgagtggaa cagctt 256

<210> 1280

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700955523H1

<400> 1280

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cagaagctct gccacgaaac cctaagctcc gtgaagggca tggacaccgc tgatccaaag 180  
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agtgataggc tcag 254

<210> 1281

<211> 249

<212> DNA  
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 cctcctgagt tgcttcttgg tgccacagat tatggtgtgg gtgtagacct ctggagtgcc 180  
 ggatgtatct taggagagtt attggctggg aagccaatca tgcttggtcg tacagagggtg 240  
 gaacaattg 249

<210> 1282  
 <211> 123  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955531H1  
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 gaa 123

<210> 1283  
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 <223> Clone ID: 700955538H1  
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 cacagactct ctgagatctt ctccacagat gatccactcc acaggggaatc agctatgcta 180  
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 attccctgct tgga 254

<210> 1284  
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 agaagggtgat cgcagagtac atatggatcg gtggatcagg aatggacctg aggagcaaag 180  
 caaggactct cccaggacca gttagcgacc cttcagagct tccaagtgg aactatgatg 240  
 gttccagcac aggt 254

<210> 1285  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955546H1  
  
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 tccagaaaat gaaacaaccg aggtaagcaa gaccaggaa acaaccccag tcaactgaggc 180  
 tcctgcaaca gaacaaccag cagctgaggt tcctgcaaca gaacaaccag ccgctgaggc 240  
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<210> 1286  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955561H1  
  
 <400> 1286  
  
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 gttatcagac ttgatgaaat tgcagttgtc aggcattgat gaaaccagc aaccatcatc 180

atctcttatac tacccaactg gaaaattcaa catcccaaag cattttctgt attttgttca 240  
agattcg 247

<210> 1287  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955570H1  
  
<400> 1287

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cccagagctt gagtgggact tccggttacc actagtgaag agcatcaatg ttagtggcca 120  
caagtatggt ttggtctatg ctggaatcgg ttgggttatc tggagaagca aggaggactt 180  
gcctgaggaa ctcatctttc acatcaacta tcttggtgct gatcaaccca cttcacctt 240  
taacttctcc a 251

<210> 1288  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955571H1  
  
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aaaccaacat caccacacta ggacccttgg tgctaccctt ttctgagcag cttctcttct 180  
ttagcaccct tgtgtggagg cacttatctt gcagcaaaaa tgatgggaat tcaccctcaa 240  
tgaagaagcc at 252

<210> 1289  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955576H1  
  
<400> 1289



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 cctcggaagc tacgaatgca aactctgtct cactctccac aacaacgagg gcaactactt 180  
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 caagg 245

<210> 1290  
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<223> Clone ID: 700955577H1

<400> 1290

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 gtggttccac caaaggagac tccaaatagt gtttccattt ctcatcatc ctcacaccct 180  
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<210> 1291  
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<223> Clone ID: 700955585H1

<400> 1291

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 tcgttacaac acaacaacca agccctcaa cgccgccccaa cctccatct ctccggccat 180  
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 atctgcggct ggg 253

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 <223> Clone ID: 700955586H1  
 <400> 1292  
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 tgccccaata aatctatcag atagattgca ccaagttctg aggtgggctc ttggctctgt 180  
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 aaaggatgac attaagcaga aatttactca atgttttttc cttgctcctc aagagaaagg 180  
 ctactttggt ttgaatgatg tttttagata tgttgatgaa aatggaatcc aagggtctgc 240  
 tcatgatatt 250

<210> 1294  
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 <223> Clone ID: 700955592H1  
 <400> 1294  
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 tctaagttga agtggcctag gaatggttat agaaagctga aagcagagga tcatcataaa 180  
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gaaag

245

<210> 1295  
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<212> DNA  
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<223> Clone ID: 700955601H1

<400> 1295

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tgatttggtta tctcagtctc tgttgccagc catagtagaa ctagctgagg atcggcactg 180  
gagagttcga cttgcaatca tagaatatat acccttattg gcaagccagt tgggtggttag 240  
tttttttgat gataagcttg g 261

<210> 1296  
<211> 253  
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<213> Glycine max

<223> Clone ID: 700955605H1

<400> 1296

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agtgtttctc ccatgatgtg aagtacgagg gtgacactgt tcatgtctct ttcgttggtta 180  
ttaaggctga ttctccctgg cattacggcg acgaaggtgt cgatctcgtg gtaaagggac 240  
cttctggcga gca 253

<210> 1297  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700955607H1

<400> 1297

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 tcgggcaatg cttcagcaac agctgcccat gcatggatgt ctgttggggc tggagggttt 180  
 aaacaaggac ccgataattc tagttcaccc aaaaataaga tatctgtaga atctttgtac 240  
 aactcaacaa gaga 254

<210> 1298  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955618H1

<400> 1298

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 cagggtgcttt tgggaagagt ggaactaatg tgaaaacagc tatttttctg tcccccaagt 180  
 ttgaacttgg accaggatcg gtagccaata aatatgatta tgacgctgat tttccaagag 240  
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<210> 1299  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955622H1

<400> 1299

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 gcctgcaaata atggaggatc tgaccgaggt tataacatca gcagaatttc accctacaca 180  
 ttgtaataca ttggcatata gcagttcaaa ggggttcaatt cgtcttggtg acttgcgga 240  
 gtcagcatta tgt 253

<210> 1300  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955627H1

<400> 1300

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gaggttctga cacgtgaatt ggcggaggac ggttactccg gcgtcgaagt tagggttacg 180  
ccgatgcgca ccgagatcat catcagagcc accagaaccc aagccgttct aggtgagaag 240  
ggaaggagaa 250

<210> 1301

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700955634H1

<400> 1301

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aggtgtatgt agtatgtacc ttgggtccatc tgagacacag tgcattgtaag accatcacta 180  
ttgtgttacc ccacaattct gtaatgtggg tgtgtcctac ttgtaggtag cttctcaaca 240  
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<210> 1302

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700955636H1

<400> 1302

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aattatgtca agtttagttt ctt 143

<210> 1303

<211> 252

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955638H1  
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 tggaagggt gagcatgagg aagaccgtca ccaagcaggt ctctcagga agcccatggt 180  
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 ccggtgagtt cc 252

<210> 1304  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955639H1  
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 ttcggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180  
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 tacttgtttg g 251

<210> 1305  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955642H1  
 <400> 1305  
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 tcctggtcct gatgaagttg agatgaagga tgatgggaac gaagatgtat atggacaaga 180  
 tgaaggagaa acgtcacatg ctttatattat gtctcgtcac tttgtcttct ctcacagtca 240

gcatgaaaa

249

<210> 1306  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955644H1  
  
<400> 1306

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tttccttttc ctgaattgtt attctcttca attgatgcgg ttcgatttga aaggattgag 180  
ggggttgttt gttggaattg gactcaaaat tagggtttgt gttttaggat cgtctcgtgt 240  
gaatcgat 248

<210> 1307  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955645H1  
  
<400> 1307

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tgattcagct tcagttaaga gctctgaagt cacggtttca cagtcctgtac atgagggctt 120  
gttaaacgat gaaggagaca ctgaaagtga agaaactgtg gagaatgtag cacagaacag 180  
gccaaagtca aactccaaaa agtcattgaa tgaggaagaa gcagctgttc ttattcaatc 240  
agcatttag 249

<210> 1308  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955646H1  
  
<400> 1308

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cattcacatt attcctgaca agaccaacaa cacattgtct atcattgaca gtggtattgg 120  
catgactaag gctgatttgg tgaataacct cggctactatt gcaaggtctg ggaccaagga 180  
attcatggaa gccctggctg ctggtgctga cgtgagcatg attgggcagt tcggtgttgg 240  
tttctact 248

<210> 1309  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955650H1  
<400> 1309

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tggtagattt gaggtgaaaa gggtccacat tggtcagggt ccatctcac aatggggaag 120  
tcaccaggaa aatggatcaa aactgtattg tttgggaaaa agtcatccaa atcaaatatt 180  
tcaaaaggca gagagaagct tgtaaatcaa gaagaaggag ttgtagttac ctccaagggtg 240  
ctagaaactg gtttgg 256

<210> 1310  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955654H1  
<400> 1310

atttatcaac tcatctatca atctcgtttg ttctactaa ctattacttc atcatgtcgt 60  
cgagcacagt tggtaagtc atcaaatgca aagctgcggt ttcatgggag gcagggaagc 120  
cacttgatga tgaagaagta gaggtggcac caccacaagc tggatgaagt cggttgaaga 180  
tcctctacac ctctctttgc cactctgatg tttacttctg ggaagccaag ggccaaactc 240  
cattgtttcc tc 252

<210> 1311  
<211> 249  
<212> DNA  
<213> Glycine max



<223> Clone ID: 700955655H1

<400> 1311

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tgtcagggtc tttatgatct tatggctgca gatacaagtg atgcagagtt tgcaaccttg 120  
ctagagttga atggctctga tatgcattca aaatctctgg catttgttcc gctccgtgcc 180  
agacatatcc taaatgccat gattgattgt aagatgcctc aatctattta tacaaaggat 240  
gaaggaagt 249

<210> 1312

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700955662H1

<400> 1312

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ccctcgatcat tcagcaactc ggcaccgagc ttcgcaacgc cgtttgcata ttttatttgg 120  
ttctgcgagc tctcgacacc gttgaggatg atactagcat agaaacagat gtcaagggtgc 180  
caatactgat agcctttcac cgatcatatt atgatcgtga ttggcacttt tcatgtggca 240  
caaaggagt 249

<210> 1313

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700955668H1

<400> 1313

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cactggtcaa gctaagaagt caacagatga agagcctcca ggataaagga tgctgcagga 120  
gttagtattt atgttatgct cactctggtt gcattcagat taagttgccc ctgttttgaa 180  
ttctgtttgc ttttcaccta ttctttgatc tgcaattctc ggaattgtcg tcggttgaag 240  
ttaaagtgct a 251

<210> 1314  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700955669H1

<400> 1314

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 tttgcactga acttcactct ctcttctata tcaagggttg atcacataac ctcaatatat 120  
 ttctaataat aattgatata gtntgagtna ttgtttcgnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnatg ggtagaggga gagttgagtt gaagaggata gagaacaaaa tcaaccgccca 240  
 agtaactttc 250

<210> 1315  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955670H1

<400> 1315

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 ctctctacca atgtacgctg ctcaactctaa ctcaaaccba tctacattat aatattatat 180  
 aatggttatg tcaaaggatt gattgatgca ggagctgaaa caactcgcag atgaactgcg 240  
 ttctgatggt 250

<210> 1316  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955671H1

<400> 1316

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caaggattga ccttgagtgg gtccatgtcc tcagcgaagg atgggccaca cccctgaaag 120  
 gcttcatgag agaagccgag ttcctccaaa cgcttcattt caactcgctc cgactcgatg 180  
 atgggtcggt cgtgaacatg tcagtgccca tcgtgctggc tattgatgat gcgcagaagc 240  
 atcggatc 248

<210> 1317  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955674H1  
 <400> 1317

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 gtaccaagat atggaaagcc gaatagaaaa tgcagctaag gtgggtcaag taccgaaga 120  
 agtacgcca aagtataaag gattttctca gtgggattca tatacttctc gacgtgacca 180  
 tgacacaatt cttcaaatat tacttcatgg aaaggactcg agtgccaaag atgtagatgg 240  
 aaatggt 247

<210> 1318  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955676H1  
 <400> 1318

ctgagttgac tgagtcttcg taactcgctc tctactgtct cagctactca tcgcattctc 60  
 tgcatttata ctccgatcac attttctctc tcttcgttcg ggatgtcgga gaaagctctt 120  
 agggatctca atacaattct tggaactgaa aggaagaatg aggactccag taaggcatgt 180  
 ttatccaagc cttctgttga caatgctgtt gaaaatattg aagaatggca aaagaaaaat 240  
 aatagt 246

<210> 1319  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955690H1

<400> 1319

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aaccgaaacg cgcttcggaa catttcttct tcgctctctc acatcttcca ttgctccaac 120  
tttcacgcac tatcaaattc cgacactact ggtattgggt ctctccctca gatcaaaata 180  
gagttcggag aggtagcatt gttactggca atgaaaaatc ttctgtaact tctattccac 240  
acttgaa 247

<210> 1320

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700955696H1

<400> 1320

cgaactcaaa ccgtttaagc ttctccgagt ttgacctac aacactctcg aatccccctct 60  
tgtgtgttgt agccgccccg tgaccatcaa tggcggaac tgctgtcgac aaatcccaat 120  
ctctcgctga ggaatattat gtgaaggata agcaaacagc tgtagttgaa aaacctgttg 180  
aggtcaaaga agttgaaaac ccagaggagg ctgcttctga ggaaccggtt gctgagaaaa 240  
ctgtggaaga 250

<210> 1321

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955707H1

<400> 1321

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gcacctttgc ctattgggtt cgcggtgttc ttggttcaact tggcaaccat ccctatcacc 120  
ggcactggta tcaaccctgc tcgtagtctt ggtgctgcta tcatcttcaa caaggacctt 180  
ggttgggatg atcaactggat cttctgggtg ggacctttca ttggtgctgc acttgacgca 240  
ctc 243

<210> 1322  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955710H1

<400> 1322

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aagggtttgt aagggtttta gctcaaccaa accctaaacc ctaaatttcc caatttcttc 120  
tttcgatctt ccactctctc cttttccatc tcataaattt cgaatccata cactctcacc 180  
tcatgccttc agatccaatc cgcacccttt tatcactgaa gtgagtggcg ttgttgaggt 240  
gt 242

<210> 1323  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955714H1

<400> 1323

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ctctataaat agcatttgca tgcaccttag tcttcaccaa aatactcctc ttggcatctt 120  
gtgttggtgc cctcttttaa gctatttcct tctcttaaca caattggttg tgccaattgc 180  
catagtcacc aaccaattaa caaaggtata tatatcatca tatcatcacc aaatgaaaaa 240

<210> 1324  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955718H1

<400> 1324

caactttctc acaaaacaaa actcgatttg taactctcac accatttcca ctcatatccc 60  
ataagcacca ccatgactcc acctaaagaa attgtgacca tcatttacca caatgggtcac 120  
attgtagatg atccagttca aggatagatg tacacgtcta tgaccccaat atttttttac 180

gccagttggt ctattacgtt tatacaattc attcgaaaaa ttaacaatcg cctccctact 240  
caagcaact 249

<210> 1325  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955722H1

<400> 1325

gcaaagatgc tgctggacaa gttcgtggtt ctccaaatga atttgctgga ataggctcca 60  
catcagccct tctttggctg gctagaaggt ttgcaattct atctgggcct accattccta 120  
ttattggcga gggatgatgaa gaggcaaattg ataggatatgt agaacaatta gttgcaagtg 180  
cagaggctgc tgtggaggaa gttatccagc gtgggggtggc tgatccgaag aaaatagctg 240  
ttg 243

<210> 1326  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955724H1

<400> 1326

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acatgtggaa gcattcatat ttgaagactt gtgctgccat tgatcgogaa ctagagcaga 120  
atcgcaagat agattcattt tacagtggaa caactgcctt gtcaattggt agacaggggtg 180  
aactcattat cattgcaaac gttggtgact ctcgtgctgt gttagctaca acatcagatg 240  
atg 243

<210> 1327  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955740H1

<400> 1327

cccttctcct ctcacactaa ttaacacact catcaaaaaa cccttctttc tttcagggtc 60  
 attacttgat cagtgtcaaa agggtagttg caaattgcaa tggctaagca tgatgttgag 120  
 ggtggttcct tctcagcaaa ggactacat gatcctctc cagcaccttt gattgatgct 180  
 gaggaactca cacagtggc cttctacagg gctttgattg ctgaattcat tgccacatta 240  
 ct 242

<210> 1328  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955741H1

<400> 1328

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 cccgctcct ccgaagcaac cgcgcgaacc ggtggcggcg gcgtcagcag tgaagcctga 120  
 ggctccattg tccgattcga aagcttcggc ggaggcgaac gtaatagtgg tcccagagta 180  
 ctctcgttgg ttctcgtggg attcgattga cgaatgcgag gtgcgtcacc tccccgagtt 240  
 c 241

<210> 1329  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955742H1

<400> 1329

cttcgggccc catatgcgt atctttctct gttctattcc tacgatggag ttttggggtg 60  
 ccgagggtta ggttggtgag tctgttaagg tagatccagc cgaattcgag gcatgcatac 120  
 acctttctca ggctgctctt ggtgaggcaa agaaagacaa atcaaataaa ccagttgttc 180  
 tctacttgaa agttgggtcaa cagaaatttg tcttggggaac cctttccagg gagaaaatt 239

<210> 1330  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955746H1

<400> 1330

cacttcacca ccacaccaca accctaccct ctctctctgt catggtcatt ggaggagcct 60  
tccctcgttt cgaccaatc accaaatgta gcaccaaga ccgctccaac cagaccatcg 120  
cctcggaact cgatggcacc ctcttgtct cccggagtgc ctccccctac tacttcctcg 180  
tcgccctcga agccggcagc gtcttccgag cctccttct cttaaccttc gtccccctc 239

<210> 1331

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700955747H1

<400> 1331

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tgtcaataaa gagtggctgg atgatattgc atcccaaatt ggtgatgcaa ttggaaagct 120  
acatgatggt ggtcttattc atggtgattt aacaacatca aatatgttac tgaagagtga 180  
tacaaagcag ttggttctta tcgattttgg tttagcttc acttcaactc taccagaaga 240

<210> 1332

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700955748H1

<400> 1332

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cctcccgccg cgccgtctcc gtctccggca agttcgacct caacgactcc cgtctccacc 120  
acctcgtcga actcgccgcc tcgcgcctcc tctccgccgg catcaaaccg ggcgatgtcg 180  
tcgccctcac cttccccaac accgtcgagt ttataataac gttcttggcc gttattcgag 240  
cg 242

<210> 1333

<211> 242

<212> DNA



<213> Glycine max.  
 <223> Clone ID: 700955753H1  
 <400> 1333

tgagatttcc ttgcagaagt acaaatgatg gtttgggcga gaagaccac cacttcacat 60  
 tacttgatgg tgagatgggtt attgatacat tgccagattc acagaagcag gagagaagat 120  
 accttatata tgatatgatg gcaatcaacc aagtatcaat aatagagcgt cccttctatg 180  
 aacggtggaa gatgcttgag aaagaagtga ttgaacctag gaatcacgag cgacataata 240  
 ta 242

<210> 1334  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955754H1  
 <400> 1334

gtctcagacc ctttctcacc accatcttct ttctcacact cacagtgtc aaggtttcag 60  
 catcatcctc agtgattttc tacaacaagt gccagcacc agtggtggccc gggatccagc 120  
 ccagcgtagg aaagcccgtt ctggcccgcg gaggttcaa gctcgcccca aaccgggcct 180  
 actccctcca gctccccgct ctatggtccg ggcgcttctg gggccgccac ggctgttctc 240  
 tc 242

<210> 1335  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955775H1  
 <400> 1335

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 agaatcatcg gagcaggcag gcaagggggc acaatcgacg acgccgtaga tgcttgttgc 120  
 ggttgagcgc tcgtgggatc tgaattggtt cctgcaactg ttgctctccg tcatcgctcg 180  
 ggccgttggg gttcactatt tcgtcaaggc caccgcttcc aagtacttct tagtc 235

<210> 1336  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955777H1  
  
 <400> 1336  
  
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 ttcattcccc tagccctaac cctccttttc tctcctctcg tcaactgccag ttaccatcaa 120  
 agcatctctc caagccttct acgttctcgt gagaagctca cgcaccttcg cttctatttc 180  
 catgaaattt ttactagcga caaaccttct aatctcgtga tcgaccccc caaggt 236

<210> 1337  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955784H1  
  
 <400> 1337  
  
 cgtttccaac taccaaaaag acgacgctgc agactctcct cgtcccgtcg gaggttgtgg 60  
 tcggaattgc ctcaaagctt gttgccttcc agatgcaaag ctgcctttgt atgctttcaa 120  
 gaaggctaatt ggaaaggatt tggccctgca tgcattgcgc ggggagcctc cctcacatt 180  
 cctcgactca cttcttcttg gagagtggga agatcgcatg cagagaggac tttttcgcta 240  
 t 241

<210> 1338  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955793H1  
  
 <400> 1338  
  
 ctaaaaacaa agagtgtgat agtaagagta gtagaagagc ggtctggtcc aagtgtgtgca 60  
 atatgcaagg caaagaaatg gaagggttgt cgtcttcgtc ggcgatcgcg cagaaaacat 120  
 gggaactcga gaacaacatc atcccgatgg acactccggg cggcgccgcc atctcctcca 180

caaccaccac gacaagcgcc gacgactcga tcttctacta cgacgaggcg ggcca 235

<210> 1339  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955808H1

<400> 1339

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atgggtgtaa ctgttcctgt tggcaacgat ttgtctctca gaagatctgc agttaaggcc 120  
cctaacttga acttttggga taaatcatgg gcaccagtat ttactttgga cttgaagcca 180  
aacaacccaa gtttaagaag tcgtcatgtg gtatgcatgt ccgtgcaaca agcaagtgta 240  
tccaa 245

<210> 1340  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955818H1

<400> 1340

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atggcagacg agaccagaa caagtatgag agctctgagg ttgaggtcca ggatcgtggg 120  
gtttttgact ttctcggtaa gaaaaaggat gaagaagaca agcctcatcc tcaggaggag 180  
gtcatcgcca ccgagtttca aaaagtcact gtctcagacc aaggagagaa caagcacagc 240  
ctcttagaaa a 251

<210> 1341  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955819H1

<400> 1341

ataacacaaa gcacaaagca aagctcatcc ttgagttaaa aaatggcagc agcttcttcc 60

atggctctct catccccatc cttggctggc aaggccgtga agctggggcc atcagcccca 120  
gaagtgggaa ggggtgagcat gaggaagacc gtcaccaagc aggtctcctc aggaagccca 180  
tggtacggcc cagaccgagt caagtacttg ggcccattct ctggcgagcc cccgtcctac 240  
ctaaccgg 248

<210> 1342  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955820H1  
<400> 1342

taaaaactca atatcaaatt ctttgtccca caaaagatgg ggttcaactcc cacaagtact 60  
gcaacatgct ttctcataat agcacctctg gttgtgctat ggtgttgga gctactaaag 120  
tggtgtgtggc tgaggccaaa gagattggag agagcattaa gggcacaggg ccttcagggg 180  
aatccctaca gcctcttgat tggggacact aaggaaatgt acacagtgct catgcaagct 240  
gccagatct 249

<210> 1343  
<211> 246  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955824H1  
<400> 1343

aaaaaaaaatc tcaaaataaa acaaccaaac cacacacttc acaccctctt caacatcctc 60  
agcaagtaca agaacaagaa gaaacaatgt cttgtccaa tctcacaatg ttggtgtcct 120  
caaaaccttc cctttccgat cctccaatc tctccttcg ctctgtcctc aacccttttc 180  
agctcccttc acaaaaccca acttcatgca ctcttcacg ctctcaacc acccaaattc 240  
agtgtg 246

<210> 1344  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955825H1

<400> 1344

gccgaagctg ggaaaacaag ccgcaacgaa agcgattaag gagtggggtc aaccaaagtc 60  
aaagatcaca caccttgtgt tctgcaccac ttcaggcgtg gacatgcccg gagcagatta 120  
ccagctcacg aagcttctcg gcctgaggcc ctccgtgaag cgcctcatga tgtatcagca 180  
gggctgcttc gccggcggca cgtactccg cctcgcaag gacctcgccg agaacaacaa 240  
gggtgcg 247

<210> 1345

<211> 80

<212> DNA

<213> Glycine max

<223> Clone ID: 700955836H1

<400> 1345

ggttctttgt ttagaccaa gaaacgcatg attcactaga aacattgagt acaagctcaa 60  
taattatttt ttttttttct 80

<210> 1346

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700955843H1

<400> 1346

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gttgatgcta caaaattgc aggctttgcc cttgccacct ctgctctcgt tgtttctggg 120  
gcaagtgctg aaggagtacc aaagcggcta acctttgacg aaatccagag caagacctac 180  
ttggaagtga aggggacagg aacagcaaac cagtgtccaa caattgatgg tggattggag 240  
tc 242

<210> 1347

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700955846H1

<400> 1347

gttccaggac aaggttttaa tcagaatgca gtgagtttta attctttgca ttcttcaagc 60  
tgccaagcag ttggacaaag tcaagtagca gttcccatc taccttcaaa ggggtggaatt 120  
gttgatggta tgctgaaaca ggaagtctcc actgagaaaa agtacactgc tgaaccaaatt 180  
atcatggatg ctggcttata acaagttagt tcaagaaatc ctctccaac cggaacgtg 240  
gtag 244

<210> 1348

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955855H1

<400> 1348

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ttctgatcat gagggcgcac aagatgggtg ttatcgtggg gatcactggt gctactgctt 180  
ctgcttctta agccttttct tttcttctgt gggttcccc tctttcgata ttctgcactt 240  
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<210> 1349

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700955857H1

<400> 1349

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atcccagggt gtgaaaataa tggaccacct ttggtgaagt ggacacatat ataattgata 120  
agaatactta atctctctct ctatgtgttt tttgggtaca gatgtttgta ttgttggtgt 180  
tgcacggacg ccaatagggt gtttacttgg caccctatca tctctttctg ccacagagtt 240  
aggc 244

<210> 1350  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955859H1  
  
 <400> 1350  
  
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 catggtttctg acgagacgca gtggatctct ctctgccaaa agatcttcct cctcggaaga 120  
 taaatctcct tcgccgaagc gccaaaaggt cgacaatggc ggttcgtcgg agaaatcggt 180  
 gccgacgccg gcggagaatt ccaaggattt atcttccccg gagcccgtgc ctgatcccgg 240  
 agaa 244

<210> 1351  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955861H1  
  
 <400> 1351  
  
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 gaagcatgaa ctaatgagaa acgaattagc aaacagtcaa acactaatat ccagacatag 120  
 cttttcatta ttaaagatag cgtgggtatct ttggcggcct gagcagaatg attattgttc 180  
 caattggggc ttagcatttt ttttcttttc aggcttctaa cccacactgg gactcccctt 240  
 ttcc 244

<210> 1352  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955864H1  
  
 <400> 1352  
  
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ctgggtgctt gataagctta aggctgagcg tgaaagagga atcacaattg atattgcctt 180  
 gtggaagttt gaaaccacca agtactattg cacagtcatt gatgcccctg gacacagggg 240  
 tttcatca 248

<210> 1353  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955867H1  
 <400> 1353

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 tgaaatatgc agagaagttg gccttcctcc aggggtatta aacattgtta ctggattagg 120  
 caatgaagct ggtgctcctt tgtcatctca tctgacgta gacaagattt cctttactgg 180  
 aagctctgca actggaagca ggattatgac agctgcagca cagctaacga agcctgtttc 240  
 tctag 245

<210> 1354  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955869H1  
 <400> 1354

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 agatcggact caaccgatga agttgaagcc gcagtgaac aaaccagaat aattgacgca 120  
 tcatcaatta gatcgagctg ctagaaatga aggatgagga cgggcttccg acgaccgccg 180  
 ccacgaagaa ggaaagcatg gattcgagtc tgtttgggaa agggaggtac aaattctggg 240  
 cgтта 245

<210> 1355  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955876H1



<400> 1355

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caaacatgga acgcatcggt ggcggaagt acaagctcgg ccgcaagatc ggaagtggat 120  
ccttcggcga aatctacctc gcgacgcata ttaatacctt cgagatcgtc gccgtcaaga 180  
tcgagaatag taaaacaaaa catccacaac tgctttacga ggcaaagcta tacaatatc 240  
tt 242

<210> 1356

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955891H1

<400> 1356

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tcaacctctc ttcggtgcaa gctctcgctt tccatcggtt atcctcttct tttccccaaa 120  
gtacccttac cctttccttc aatttccaac caaaaccctt cgctaaccgg cgccaattt 180  
ctctgaaacc ctacgtttcc gagaaacctc gcgcgcgcgt ggtggcgctg gccgtgaaga 240  
gcc 243

<210> 1357

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955893H1

<400> 1357

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ctggtttcgg gcatgggcgg ctccattgtc aattccaagc ccaagaaatt cgggttcacc 180  
actcgggttt gggtcagact cctcctcgct gacgtcgagt tccgaaacaa gatttgggtc 240  
ctt 243

<210> 1358

<211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955894H1  
  
 <400> 1358  
  
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 gcctgaacga aagaggcctg ctcttgccag tgtaattgtg gaagctctga aggtggacag 180  
 tttgcagaag ctttgctcat ctttagaacc cattcttcgt agagttgtca gtgaagaagt 240  
 gga 243

<210> 1359  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955895H1  
  
 <400> 1359  
  
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 aacggctaag tcatcatcca gttgtaccaa tggacttctt tggcttacia ggtaaagaac 120  
 accaagcaac taccatttaa catgtaattc atactgttat ggcattccaa aatttggtat 180  
 tttagagaac tatttcctta atttgtaatg ttccaagccc agagtctgtt gtccatgagt 240  
 aaaca 245

<210> 1360  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955910H1  
  
 <400> 1360  
  
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 gtgcgctcgg attaaaataa ccgacccgaa cccgaaatgg gatatggaaa caatgcccgg 120  
 tgctagagtc atgagtgaca tgggttttact cccgaacggc gacgttttga ttgttaatgg 180

agcagccgta gggactgcgg gctgggaatt gggccgtaac ccgctactga gtccgtttct 240  
 ttataaacca aataatcggg 260

<210> 1361  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955929H1  
 <400> 1361

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 ccagccatgg gtcgtatgca cagccgcggg aagggtatat cctcttctgc tttgccctac 120  
 aaaaggacac ctcttagctg gctcaagatc tcttcgcaag atgtcgaaga aaatatctgc 180  
 aagtttgcca agaaagggtt gaccccgctc cagattgggtg tcattctcag agattctcac 240  
 ggtattgctc aggtc 255

<210> 1362  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955930H1  
 <400> 1362

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 tatcatattt ggtgacatgg gaaaggctga gcgtgatggt tcaaataaat atgctgatta 180  
 tcaaccgggt tctctaaaca ccacagacca actcgtcaag gatttagaaa attatgacat 240  
 tgttttccac atag 254

<210> 1363  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955931H1  
 <400> 1363

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ccaggacaag gaaggaattc ccccgatca gcaacgtctc atcttcgccg gaaagcagct 180  
cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcacctgtg 240  
ccttcgtctc cgtggtg 257

<210> 1364  
<211> 266  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955934H1  
<400> 1364

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cgtttttgtt tcattctttt agcttcagag ggtaaataaa aaatggaggt tttggtgggt 180  
cccgtttca ccacgacgt tccctcgtct ccgccgcagc atgccggttc cgatgatcgg 240  
atctttctta acgtgtcacc cgaaga 266

<210> 1365  
<211> 260  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955940H1  
<400> 1365

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gaacaagttc cccgagagac agccgattgg gacggcggcg cagagccaag acgacggcaa 120  
ggactaccag gagccggcgc cggcgccgct ggttgacccg acggagttaa cgtcatggtc 180  
gttttacaga gcagggatag cagagtttgt ggccactttt ctgtttctct acatcaccgt 240  
cttaaccgtt atgggagtcg 260

<210> 1366  
<211> 256  
<212> DNA

<213> Glycine max

<223> Clone ID: 700955943H1

<400> 1366

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gatgtcctag agcctggatg tcaactgcctg ccttggtgtc ttgggtacca gattgctggg 180  
agtctgtcgc tgcgagtgcg gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240  
gtctttgtca atgtgg 256

<210> 1367

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700955946H1

<400> 1367

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taaagaagct gataagaaga agaactactt tgctgtctgt gttgccgaag agggatccca 180  
gctgttattg cttcatgcta ttgaagaatt ttcttgcaag tctacttcca atgctttgaa 240  
ggaggttgcc ctg 253

<210> 1368

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700955954H1

<400> 1368

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ctcttgatat ctgctctctt attttcatga acatatagaa caattgcctg cccataattg 120  
tatatagttg caaataaaaa tataacacct tgtagtttg acat 164

<210> 1369

<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955958H1

<400> 1369

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aacaatcaac tttgggtcat caagctctat ccaaattcaa tcaccaaatt taatcctctc 120  
cctattatgt aagtacttta tataccaaat tgaatttggg ttgttcaaatt ttgtcaacaa 180  
gttaggatca aggtgaactt ctgcatcctt ttgctactat gtttgaaaag ttgatacca 240  
attgaatttc gtttggt 257

<210> 1370  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955960H1

<400> 1370

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aatttgagaa ctcagggtgaa cttggaccct acatcgttga gtacgggtgca gattacagaa 180  
tgataagcat cttcaactct ccattccaag ttggtttcta caacaccacc ccaaatgcct 240  
tcactctagc ttg 254

<210> 1371  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955961H1

<400> 1371

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gggcgtcttt tatcttttcc ttctgtgca ctaaatatgc aaaacaatag gatgtttcct 180

ccatctctaa gccctctgca ggaagaaaga ctaagaaatc tacgacaacg gcttgaagtt 240  
ccctttgatg gt 252

<210> 1372  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955962H1  
  
<400> 1372

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tcgagactgc aacagggttaa ccatttcgga gccatttcct gagtgggaga gcgagttgat 120  
gccttcaggg agaacaatgg gagacctttt ggtcctcccc aatggggacc tcttgcctcat 180  
caatgggtgca accatgggta cggctgcatg gtgggatgct gacttgccta actacacgcc 240  
cgtgttgtag a 251

<210> 1373  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955963H1  
  
<400> 1373

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cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120  
gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180  
cagaccgcgt caagtacttg ggcccattct ctggcgagcc cccgtcctac ctactggcg 240  
agttcccagg tgac 254

<210> 1374  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955973H1  
  
<400> 1374

